



# COMPUTER SCIENCE INTERNSHIP ACTIVITIES

## DEPARTMENT OF COMPUTER SCIENCE

### PYTHON AND DATA ANALYTICS INTERNSHIP

**Date:** 07-04-2025 to 19-04-2025

**Organized by:** Department of Computer Science

From April 7 to April 19, 2025, Praveen Singh, Senior Data Scientist in Analytics, conducted a specialized short-term internship in Python and Data Analytics. This program was meticulously designed for II-year students pursuing B.Sc. degrees in Mathematics, Physics, Chemistry, and Statistics, as well as BCA and B.Com students.

Throughout the internship, participants delved into the fundamentals of Python programming and its applications in data analytics. Under Praveen Singh's expert guidance, students engaged in hands-on projects that involved data preprocessing, statistical analysis, and the creation of data visualizations. They also explored real-world datasets, gaining insights into data-driven decision-making processes.

The program not only enhanced the students' technical skills but also provided them with a comprehensive understanding of the role of data analytics in various industries. By the end of the internship, participants were equipped with practical knowledge and experience, preparing them for future endeavors in the field of data science and analytics.

#### **Internship Objectives:**

- 1. Enhance Technical Proficiency**

Equip II-year B.Sc. students (Mathematics, Physics, Chemistry and Statistics), BCA, and B.Com students with foundational skills in Python programming and data analytics.

- 2. Develop Analytical Competencies**

Foster the ability to clean, analyze, and interpret data, enabling students to derive meaningful insights from complex datasets.

- 3. Promote Data-Driven Decision-Making**

Cultivate an understanding of how data analytics can inform and improve decision-making processes across various sectors.

- 4. Provide Practical Experience**

Offer hands-on exposure to real-world data analysis tasks, bridging the gap between academic learning and industry practices.



# COMPUTER SCIENCE INTERNSHIP ACTIVITIES

## 5. **Encourage Collaborative Learning**

Facilitate teamwork and knowledge sharing among participants, enhancing collaborative problem-solving skills.

## 6. **Prepare for Future Careers**

Equip students with the skills and knowledge necessary to pursue careers in data science, analytics, or related fields.

This internship aimed to provide a comprehensive learning experience, preparing students for the evolving demands of the data-driven job market.

## **Observations and Key Learning's**

### 1. **Data Wrangling and Preprocessing**

Interns gained hands-on experience in cleaning and transforming raw datasets, addressing missing values, outliers, and inconsistencies. This foundational skill is crucial for ensuring data quality and reliability in subsequent analyses.

### 2. **Exploratory Data Analysis (EDA)**

Participants developed the ability to perform EDA, uncovering patterns, trends, and relationships within data. This process involved using statistical techniques and visualizations to derive meaningful insights.

### 3. **Data Visualization Techniques**

Interns mastered the use of Python libraries such as Matplotlib, Seaborn, and Plotly to create compelling visual representations of data. These skills are essential for communicating findings effectively to both technical and non-technical audiences.

### 4. **Statistical Analysis and Modeling**

The internship provided exposure to statistical methods like regression analysis, enabling interns to build models that predict outcomes and inform decision-making processes.

### 5. **Critical Thinking and Problem-Solving**

Interns honed their ability to approach data with a critical mindset, questioning assumptions and ensuring the integrity of their analyses. This skill is vital for making informed decisions based on data.

### 6. **Effective Communication of Insights**

The program emphasized the importance of presenting data findings clearly and concisely, using visualizations and narratives to make complex information accessible to stakeholders.



# COMPUTER SCIENCE INTERNSHIP ACTIVITIES

## 7. Collaborative Learning Environment

Interns benefited from a collaborative setting, engaging in discussions and teamwork that enhanced their learning experience and prepared them for real-world data analytics challenges.

### Inauguration

On April 7, 2025, the Python and Data Analytics short-term internship commenced with an inaugural session led by Praveen Singh, Senior Data Scientist (Analytics). The event was held at the Department of Computer Science and was attended by II B.Sc. students majoring in Mathematics, Physics, Chemistry, and Statistics, as well as BCA and B.Com students.

During the inauguration, Praveen Singh outlined the objectives and structure of the internship, emphasizing the importance of Python programming and data analytics in today's data-driven world. He highlighted the skills participants would acquire, including data cleaning, exploratory data analysis, and visualization techniques. The session also provided an overview of the tools and technologies that would be used throughout the program.

The inauguration set the tone for an engaging and informative internship, motivating students to actively participate and make the most of the learning opportunities ahead.





## COMPUTER SCIENCE INTERNSHIP ACTIVITIES





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# COMPUTER SCIENCE INTERNSHIP ACTIVITIES

## Attendance Report

B V RAJU COLLEGE VISHNUPUR:BHIMAVARAM 5th sem Short term Internship Attendance Sheet - 13-04-25			
S.No	Regd No	Name of the student	Group
1	233117401046	V.B.A Swetha	II BCA
2	233117401004	B. Pavani	II BCA
3	233117401012	D. Hema Durga	II BCA
4	233117401035	M. Divya Sri Lakshmi	II BCA
5	233117401047	V. Deepthi Sri	II BCA
6	233117401019	J. Pravalika	II BCA
7	233117401038	N. Sampna	II BCA
8	233117401009	Ch. Deepthi	II BCA
9	233117401024	K. Siva Vedya	II BCA
10	233117401030	M. Hargad	II BCA
11	233117401053	V. Devendranath Siddandha	II BCA
12	233117401018	T. Veera Babu	II BCA
13	233117401051	I. Svarn	II BCA
14	233117401035	M. Jagadeeshwararao	II BCA
15	233117401032	M. H. S. Pragna	II BCA
16	233117401001	A. Gayatri	II BCA
17	233117401014	G. Tyothika	II BCA
18	233117401006	B. Jyoshna	II BCA
19	233118102059	Y. Shashan Raja	II BCA
20	233118102005	A. J. L. D. Bhavani	II BCA
21	233118102007	K. Devika Sri	II BCA
22	233118102017	G. Devi Madhu Balu	II BCA
23	233118102051	T. C. M. S. Chinnay	II BCA
24	233118102001	Ch. Svarani	II BCA
25	233118102043	P. Sarithoshi	II BCA
26	233118102034	M. Sathya Sri Deepthi	II BCA
27	233118102036	M. Kousalya	II BCA
28	233118102002	Ch. Jagadeesh	II BCA
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B V RAJU COLLEGE VISHNUPUR:BHIMAVARAM 5th sem Short term Internship Attendance Sheet - 13-04-25			
S.No	Regd No	Name of the student	Group
1	233117187404	V. Prasanna	III Stat
2	233117187399	M. Bhargavi	III Stat
3	233117187406	T. Bhavya Sri	III Stat
4	233117187405	T. Kumara Eswara chandra	III Stat
5	233117187278	M. Kinnara Sai Sri	III Maths
6	233117187370	K. Manika	III physics
7	233117187362	Ch. Keerthi	III physics
8	233117187369	K. Sai Rama Reddy	III physics
9	233117187377	N. Bharu prakash	III physics
10	233117187376	N. Abdul Allu	III physics
11	233117169072	N. Svarani	III chemistry
12	233117169057	D. Hema Sai Jagavalli	III chemistry
13	233117187399	P. Venkata Satpudhi	III physics
14	233117187380	S. Pragna Sri	III physics
15	233117187386	V. Lakshmi Sridhar	III physics
16	233117187374	M. Divya Venkata Lakshmi	III physics
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B V RAJU COLLEGE VISHNUPUR:BHIMAVARAM 5th sem Short term Internship Attendance Sheet - 15-04-25			
S.No	Regd No	Name of the student	Group
1	233117186787	Ch. Thana Sri Salitha	BSC (Maths)
2	233117186896	R. Bhavani	BSC (Maths)
3	233117186898	G. Komali	BSC (Maths)
4	233117186890	N. Rajkumar	BSC (Maths)
5	233117186898	M. Kinnara Sarsri	BSC (Maths)
6	233117187405	T. Kumara Eswara chandra	III Stat
7	233117187406	T. Bhavya Sri	III Stat
8	233117187407	V. Prasanna	III Stat
9	233117187399	M. Bhargavi	III Stat
10	233117187370	K. Manika	III physics
11	233117187362	Ch. Keerthi	III physics
12	233117187369	K. S. R. Sarma Reddy	III physics
13	233117187399	P. Venkata Satpudhi	III physics
14	233117187380	D. Hema Sai Jagavalli	III chemistry
15	233117187386	P. Pragna Sri	III chemistry
16	233117187386	N. Svarani	III chemistry
17	233117187386	V. Lakshmi Sridhar	III BSC physics
18	233117187380	S. Pragna Sri	III BSC physics
19	233117187374	M. Divya Venkata Lakshmi	III BSC physics
20	233117187374	T. C. M. S. Chinnay	III BSC physics
21	233118102017	G. Devi Madhu Balu	III BSC physics
22	233118102051	T. C. M. S. Chinnay	III BSC physics
23	233118102043	P. Sarithoshi	III BSC physics
24	233118102034	M. Kousalya	III BSC physics
25	233118102036	Ch. Jagadeesh	III BSC physics
26	233118102002		III BSC physics
27	233118102002		III BSC physics
28	233118102002		III BSC physics
29	233118102002		III BSC physics
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B V RAJU COLLEGE VISHNUPUR:BHIMAVARAM 5th sem Short term Internship Attendance Sheet - 15-04-25			
S.No	Regd No	Name of the student	Group
1	233117401006	B. Jyoshna	BCA
2	233117401046	V.B.A Swetha	BCA
3	233117401004	B. Pavani	BCA
4	233117401012	D. Hema Durga	BCA
5	233117401035	M. Divya Sri Lakshmi	BCA
6	233117401047	V. Deepthi Sri	BCA
7	233117401038	N. Sampna	BCA
8	233117401009	Ch. Deepthi	BCA
9	233117401019	J. Pravalika	BCA
10	233117401084	K. Siva Vedya	BCA
11	233117401037	M. Vamsi Krishna	BCA
12	233117401015	G. Keerthi	BCA
13	233117401003	Ch. Bhavani S. R. Ravi	BCA
14	233117401018	T. Veera Babu	BCA
15	233117401053	V. Devendranath Siddandha	BCA
16	233117401051	V. Venkata Jaghava	BCA
17	233117401030	M. Hargad	BCA
18	233117401032	M. H. S. Pragna	BCA
19	233117401014	G. Tyothika	BCA
20	233118102023	K. Bhavani Varma	BCA
21	233118102029	Ch. Divya Vani	BCA
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# COMPUTER SCIENCE INTERNSHIP ACTIVITIES

## B V RAJU COLLEGE VISHNUPUR:BHIMAVARAM 5th sem Short term Internship Attendance Sheet - 16-04-25

S.No	Regd No	Name of the student	Group
1	233117187362	ch. keerthi	III phys sci
2	233117189405	T. Kumara Kumar Chandra	III stat
3	233117187396	N. Abhinav Afflu	III Physics
4	233117187377	N. Phani Prakash	III Phys Sci
5	233117187369	N. S.A. Saranya Reddy	III Physics
6	233117189406	T. Bhargya Sri	III statistics
7	233117187370	K. moulika	III physics
8	233117189397	M. Bhargavi	III statistics
9	233117185298	M. Kinnera Sai Sri	III Maths
10	233117185288	ch. devi naga. prasanna	III maths
11	233117185290	D. devi Sujitha	III maths
12	233117185292	G. Komali	III maths
13	233117185300	M. Rajeswari	III maths
14	233117187386	V. Lakshmi Srinisha	III physics
15	233117187380	S. Hanu Sri	III physics
16	233117187374	M. Divya Venkata lakshmi	III physics
17	233117169078	N. Sravani	III chemistry
18	233117169057	D. Hemadri Jagavalli	III chemistry
19	233117169079	P. Praseef	III chemistry
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## B V RAJU COLLEGE VISHNUPUR:BHIMAVARAM 5th sem Short term Internship Attendance Sheet - 17-04-25

S.No	Regd No	Name of the student	Group
1	233117169405	T. Kumara Kumara Chandra	III stat
2	233117169406	T. Bhavya Sri	III stat
3	233117169407	V. Prasanna	III stat
4	233117169399	M. Bhargavi	III stat
5	233117183599	P. Venkata. Subbarathu	III physics
6	233117183380	S. Karuna Sri	III physics
7	233117169078	N. Sravani	III chemistry
8	233117167374	M. Divya Venkata lakshmi	III physics
9	233117169073	P. Praseef	III chem
10	233117169072	D. Hemadri Jagavalli	III chem
11	233117167370	K. moulika	III physics
12	233117169362	ch. keerthi	III physics
13	233117187369	N. S.A. Saranya Reddy	III physics
14	233117187396	N. Abhinav Afflu	III physics
15	233117187377	N. Phani Prakash	III physics
16	233117185300	M. Rajeswari	III Maths
17	233117185298	G. Komali	III Maths
18	233117185292	M. Kinnera Sai Sri	III Maths
19	233118102009	CH. Divya	III B.com
20	233118102023	K. Bhumiika	III B.com
21	233118102035	M. Jagadeesh Manikanta	III B.com
22	233118102021	J. Karthika	III B.com
23	233118102054	V. Syam	III B.com
24	233118102032	K. HEMANTH	III B.com
25	233118102006	B. BABU	III B.com
26	233118102051	N. N. S.A. Chinmayi	III B.com
27	233118102017	G. Devi Madhu Bala	III B.com
28	233118102011	ch. Sravani	III B.com
29	233118102001	A. Ramcharan	III B.com
30	233118102012	ch. Jagadeesh	III B.com

## B V RAJU COLLEGE VISHNUPUR:BHIMAVARAM 5th sem Short term Internship Attendance Sheet - 16-04-25

S.No	Regd No	Name of the student	Group
1	233117401006	B. Jayashna	BCA
2	233117401046	V. B.A. Swetha	BCA
3	233117401004	B. Pavani	BCA
4	233117401012	D. Hema Divya	BCA
5	233117401035	N. Divya Sri Lakshmi	BCA
6	233117401047	V. Deepthi Sri	BCA
7	233117401009	ch. Deepthi	BCA
8	233117401038	N. Saranya	BCA
9	233117401019	J. Pranavika	BCA
10	233117401024	K. Siva Veda	BCA
11	233117401037	M. Vanshi Krishna	BCA
12	233117401015	G. Lakshith	BCA
13	233117401008	CH. P. S. S. R. Ravi	BCA
14	233117401012	ch. Jagadeesh	BCA
15	233117401018	T. Veerababu	BCA
16	233117401053	V. Devendharade Siddhartha	BCA
17	233117401051	V. V. Raghava	BCA
18	233118102001	A. Ramcharan	BCA
19	233118102038	K. Hemant	BCA
20	233118102006	B. Babu	BCA
21	233118102011	ch. Sravani	BCA
22	233118102009	CH. Divya	BCA
23	233118102051	N. N. S.A. Chinmayi	BCA
24	233118102017	G. Devi Madhu Bala	BCA
25	233118102054	V. Syam	BCA
26	233118102035	Jagadeesh MANIKANTA	BCA
27	233117401014	G. Jayathika	BCA
28	233117401032	N. S. P. Sanya	BCA
29	233117401021	J. bayasri	BCA
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## B V RAJU COLLEGE VISHNUPUR:BHIMAVARAM 5th sem Short term Internship Attendance Sheet - 17-04-25

S.No	Regd No	Name of the student	Group
1	233117401006	B. Jayashna	BCA
2	233117401046	V. B.A. Swetha	BCA
3	233117401004	B. Pavani	BCA
4	233117401012	D. Hema Divya	BCA
5	233117401035	N. Divya Sri Lakshmi	BCA
6	233117401047	V. Deepthi Sri	BCA
7	233117401038	N. Saranya	BCA
8	233117401019	J. Pranavika	BCA
9	233117401024	ch. Deepthi	BCA
10	233117401037	K. Siva Veda	BCA
11	233117401015	G. Lakshith	BCA
12	233117401008	T. Veerababu	BCA
13	233117401053	M. Bhargav Teja	BCA
14	233117401008	ch. Haiker	BCA
15	233117401037	M. Vanshi	BCA
16	233117401015	G. Lakshith	BCA
17	233117401052	V. Venkata Raghava	BCA
18	233117401053	V. Devendharade Siddhartha	BCA
19	233117401001	A. Gayathri	BCA
20	233117401032	M. Sanya	BCA
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# COMPUTER SCIENCE INTERNSHIP ACTIVITIES

Lab-4

B V RAJU COLLEGE  
VISHNUPUR:BHIMAVARAM  
5th sem Short term Internship  
Attendance Sheet - 18-04-25

9:00 Pm to 12:30 Pm

S.No	Regd No	Name of the student	Group
1	233117189405	T. Kumara Swara chandra	III BSc CS/Stat
2	233117189376	N. Abdul Aff U	III BSc CS/Stat
3	233117189377	N. Bhannu Prakash	III BSc CS/Stat
4	233117189369	K. S. A. Sai Rama Reddy	III BSc CS/Stat
5	233117189406	T. Bhargya Sani	III BSc CS/Stat
6	233117189362	Ch. Keerthi	III BSc CS/Stat
7	233117189370	K. Manika	III BSc CS/Stat
8	233117189300	H. Rajeswar	III BSc CS/Stat
9	233117189292	G. Komale	III BSc CS/Stat
10	233117189374	M. Divya Venkata Lakshmi	III BSc CS/Stat
11	233117189292	M. Kinnara Sap Sri	III BSc CS/Stat
12	233117189379	M. Bhargavi	III BSc CS/Stat
13	233117189386	V. Lakshmi Srishra	III BSc CS/Stat
14	233117189380	S. dhanu	III BSc CS/Stat
15	233117189379	P. Venkata Sahayawathi	III BSc CS/Stat
16	233117189072	N. Sravani	III BSc CS/Stat
17	233117189057	O. Hema Sri Nagavalli	III BSc CS/Stat
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Lab-5

B V RAJU COLLEGE  
VISHNUPUR:BHIMAVARAM  
5th sem Short term Internship  
Attendance Sheet - 18-04-25

9:30 Am to 04:30 Pm

S.No	Regd No	Name of the student	Group
1	233117401007	Ch. Deepthi	II B.A
2	233117401038	A. Sanyana	II B.A
3	233117401019	T. Pravalika	II B.A
4	233117401046	V. B. Swetha	II B.A
5	233117401004	B. Pavani	II B.A
6	233117401006	B. B. Jyostha	II B.A
7	233117401035	M. Divya Sri Lakshmi	II B.A
8	233117401012	D. Hema Divya	II B.A
9	233117401047	V. Deepthi Sri	II B.A
10	233117401084	K. Siva Vedy	II B.A
11	233117401030	M. Bhargava Teja	II B.A
12	233117401027	M. Vamsi Krishna	II B.A
13	233117401008	Ch. B. S. R. Ravi	II B.A
14	233117401053	V. Devendranadh Suddandha	II B.A
15	233117401001	A. Prameela	II B.A
16	233117401023	K. Bhumika Vasuma	II B.A
17	233117401007	Ch. Divya Vani	II B.A
18	233117401022	M. Bhargava	II B.A
19	233117401001	A. Gayathri	II B.A
20	233117401011	Ch. Sravani	II B.A
21	233117401053	M. C. N. S. A. Chinmayee	II B.A
22	233117401017	G. Devi Madhu Mala	II B.A
23	233117401014	G. Jyothika	II B.A
24	233117401012	Ch. Jagadeesh	II B.A
25	233117401021	J. Kavya	II B.A
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B V RAJU COLLEGE  
VISHNUPUR:BHIMAVARAM  
5th sem Short term Internship  
Attendance Sheet - 19-04-25

S.No	Regd No	Name of the student	Group
1	233117189405	V. Prasanna	III Stat
2	233117189406	T. Bhargya Sri	III Stat
3	233117189405	T. Kumara Swara chandra	III Stat
4	233117189379	M. Bhargavi	III Stat
5	233117189362	Ch. Keerthi	III Stat
6	233117189370	K. Manika	III Stat
7	233117189072	N. Sravani	III Stat
8	233117189057	O. Hema Sri Nagavalli	III Stat
9	233117189073	P. Praseef	III Stat
10	233117189405	T. Kumara Swara chandra	III Stat
11	233117189377	N. Bhannu Prakash	III Stat
12	233117189369	K. S. A. Sai Rama Reddy	III Stat
13	233117189374	M. Divya Venkata Lakshmi	III Stat
14	233117189386	V. Lakshmi Srishra	III Stat
15	233117189379	P. Venkata Sahayawathi	III Stat
16	233117189406	T. Bhargya Sani	III Stat
17	233117189292	M. Kinnara Sap Sri	III Stat
18	233117189292	G. Komale	III Stat
19	233117189370	K. Manika	III Stat
20	233117189300	M. Rajeswar	III Stat
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B V RAJU COLLEGE  
VISHNUPUR:BHIMAVARAM  
5th sem Short term Internship  
Attendance Sheet - 19-04-25

S.No	Regd No	Name of the student	Group
1	233117401029	Ch. Deepthi	II B.A
2	233117401017	G. Devi Madhu Mala	II B.A
3	233117401021	J. Kavya	II B.A
4	233117401053	M. C. N. S. A. Chinmayee	II B.A
5	233117401011	Ch. Sravani	II B.A
6	233117401032	M. Bhargava	II B.A
7	233117401001	A. Gayathri	II B.A
8	233117401014	G. Jyothika	II B.A
9	233117401054	V. Sanyana	II B.A
10	233117401035	M. Divya Sri Lakshmi	II B.A
11	233117401047	V. Deepthi Sri	II B.A
12	233117401035	M. Divya Sri Lakshmi	II B.A
13	233117401012	D. Hema Divya	II B.A
14	233117401004	B. Pavani	II B.A
15	233117401046	V. Swetha	II B.A
16	233117401006	B. B. Jyostha	II B.A
17	233117401038	A. Sanyana	II B.A
18	233117401019	T. Pravalika	II B.A
19	233117401007	Ch. Divya Vani	II B.A
20	233117401084	K. Siva Vedy	II B.A
21	233117401030	M. Bhargava Teja	II B.A
22	233117401027	M. Vamsi Krishna	II B.A
23	233117401008	Ch. B. S. R. Ravi	II B.A
24	233117401053	V. Devendranadh Suddandha	II B.A
25	233117401001	A. Prameela	II B.A
26	233117401023	K. Bhumika Vasuma	II B.A
27	233117401007	Ch. Divya Vani	II B.A
28	233117401022	M. Bhargava	II B.A
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# COMPUTER SCIENCE INTERNSHIP ACTIVITIES

## Key Learning Outcomes

### 1. Proficiency in Python Programming

Participants developed a solid foundation in Python, focusing on its application in data analytics. They gained practical experience in data preprocessing, statistical analysis, and the creation of data visualizations. This hands-on approach enhanced their coding skills and understanding of Python's role in data analysis.

### 2. Exploratory Data Analysis (EDA)

The internship introduced students to EDA techniques, including data cleaning, handling missing values, and identifying patterns within datasets. This process is crucial for uncovering insights and preparing data for further analysis.

### 3. Data Visualization Skills

Participants learned to create compelling data visualizations using Python libraries such as Matplotlib and Seaborn. These visualizations are essential for presenting data insights clearly and effectively.

### 4. Real-World Data Application

Engaging with real-world datasets allowed students to apply theoretical knowledge to practical scenarios, enhancing their problem-solving skills and understanding of data-driven decision-making processes.

### 5. Communication and Storytelling with Data

The program emphasized the importance of effective communication in data analytics. Participants honed their ability to translate complex data into actionable insights for non-technical stakeholders, a skill vital for influencing decision-making processes.

### 6. Industry-Relevant Tools and Techniques

Exposure to industry-standard tools and techniques equipped participants with the skills necessary to tackle real-world data challenges. This experience is invaluable for those pursuing careers in data science and analytics.

By the end of the internship, participants were well-prepared to embark on future endeavors in the field of data science and analytics, armed with practical knowledge and experience.



# COMPUTER SCIENCE INTERNSHIP ACTIVITIES

## Challenges and Solutions

### 1. Challenge: Limited Prior Experience in Python Programming

**Solution:** The internship commenced with foundational Python training, focusing on essential programming concepts and libraries such as NumPy and Pandas. This approach ensured that all participants, regardless of their initial proficiency, could engage with the course material effectively.

### 2. Challenge: Handling Complex Data Preprocessing Tasks

**Solution:** Students were introduced to structured data preprocessing workflows, including techniques for handling missing values, data normalization, and outlier detection. By working on real-world datasets, participants gained practical experience in applying these methods to prepare data for analysis.

### 3. Challenge: Interpreting and Communicating Data Insights

**Solution:** The program emphasized the development of data storytelling skills. Participants were trained to create clear and compelling visualizations using tools like Matplotlib and Seaborn, and to present their findings effectively to both technical and non-technical audiences.

### 4. Challenge: Navigating Data Security and Privacy Concerns

**Solution:** Throughout the internship, students were educated on best practices for data security and privacy, including the importance of anonymizing sensitive information and adhering to ethical guidelines in data analysis.

### 5. Challenge: Adapting to Rapid Technological Advancements

**Solution:** The program incorporated discussions on emerging trends in data analytics and provided resources for continuous learning. This approach encouraged participants to stay updated with the latest tools and techniques in the field.

By proactively addressing these challenges, the internship equipped participants with the skills and knowledge necessary to excel in the field of data analytics.





# COMPUTER SCIENCE INTERNSHIP ACTIVITIES

## Feedback

**Mandagiri Kinnera Sai Sri**

**II B.Sc (Mathematics)**

I am deeply grateful for the opportunity to participate in the Python and Data Analytics Internship organized by the Computer Science Department. This internship has significantly enhanced my understanding of data analysis techniques and Python programming. The hands-on experience with real-world datasets and the guidance provided by the mentors have been invaluable. I am confident that the skills and knowledge gained during this internship will be instrumental in my academic and professional journey.



**Valluri Prasanna**

**II B.Sc (Statistics)**

Participating in the Python and Data Analytics Internship organized by the Computer Science Department was an enriching experience. The program provided hands-on exposure to real-world data analysis tasks, enhancing my understanding of statistical concepts and Python programming. The guidance and support from the mentors were invaluable, fostering a collaborative learning environment. This internship has significantly contributed to my academic growth and has equipped me with practical skills applicable in the field of data analytics.





# COMPUTER SCIENCE INTERNSHIP ACTIVITIES

**Dommeti Hemasri Nagavalli Valluri Prasanna**

**II B.Sc (Chemistry)**

I am grateful for the opportunity to participate in the Python and Data Analytics internship organized by our college's Computer Science Department. This internship provided hands-on experience with Jupyter Notebooks and Power BI, enhancing my skills in data analysis and visualization. The integration of Power BI within Jupyter Notebooks allowed for seamless embedding of interactive reports, enabling in-depth data exploration and storytelling. Working with real-world datasets and utilizing tools like pandas and DAX deepened my understanding of data manipulation and visualization techniques. Overall, this internship has significantly contributed to my proficiency in data analytics and has prepared me for future endeavors in this field.



**Godi Rohith**

**II BCA**

The internship provided valuable hands-on experience in data analysis and visualization using Jupyter Notebook and Power BI. Jupyter Notebook facilitated interactive coding and data manipulation, while Power BI enabled the creation of dynamic dashboards and reports. This combination enhanced my understanding of data analytics and equipped me with practical skills applicable in real-world scenarios.

