

# Maruboyina Naga Pavan Kumar

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## Professional Summary

Graduate in Electronics and Communication Engineering with skills in Java, Python, and SQL. Completed a Machine Learning internship, gaining experience in data processing, model training, and evaluation. Strong problem-solving and analytical abilities with a passion for technology and software development. Seeking an opportunity to apply my skills in the IT industry.

## Technical Skills

- **Languages:** Java, SQL, Python
- **Frameworks / Libraries:** Java 8/11, Spring Boot.
- **Databases:** MySQL.
- **Developer Tools:** Git, GitHub, Visual Studio, Eclipse IDE.
- **Web/Operating System:** Windows.
- **Technical Proficiencies:** Data Structure and Algorithms, Object-Oriented Programming, Database Management System.
- **Soft Skills:** Leadership, Problem-Solving, Collaborative.

## Education

### Bachelor of Technology in Electronics and communication

*Amrita Sai Institute of science and technology.*

- Final CGPA: 8.58

*Vijayawada*

*2020 – 2024*

### Pre-University Course (PU)

*RK Junior College*

- Final Percentage: 95%

*Machilipatnam*

*2018 – 2020*

### Secondary School Leaving Certificate (SSLC)

*Kommareddy High School*

- Final Percentage: 98%

*Machilipatnam*

*2017 – 2018*

## Academic projects

### Machine Learning approach for Rainfall Prediction

*Oct–2024 - Present*

Developed a machine learning model to predict rainfall patterns in India for farmers, leveraging historical weather data and environmental factors to optimize agricultural planning and mitigate weather-related risks

- Developed a XGBoost and CATBoost algorithms in machine learning , which gives the best accuracy for prediction.
- Flask is used to develop an app which shows the output in webpage.
- HTML pages are used to show whether the rainfalls or not.

## Internship

### Intern at Smart bridge, Hyderabad (Virtual)

*November 2023 – April 2024*

- Completed an internship in Machine Learning, gaining hands-on experience in data preprocessing, model building, and evaluation.
- Worked on real-world datasets, implementing algorithms for predictive analysis and improving model accuracy.
- Enhanced skills in Python, SQL, and ML libraries while developing a strong understanding of data-driven decision-making.

## Certifications

- 12 - week NPTEL certification on “Introduction to Machine Learning” by IIT Madras.
- 12 - week NPTEL certification on “Data Structures and algorithms using JAVA” by IIT Kharagpur.
- 12 – week NPTEL certification on “Digital IC Design” by IIT Kharagpur.
- 12 - week NPTEL certification on “Digital Image Processing” by IIT Madras.

## Achievement & awards

- Led a team of 8 as an Institution innovation Counsellor, earning the “Star Performer” award at Amrita Sai college.
- Served as Class Representative, effectively coordinating between students and faculty to facilitate communication and organize academic activities.
- Received the Academic Excellence Award in the third year for outstanding performance and consistent high grades.

## Hobbies

- Participating in Tech Community events to discuss innovations and practical applications
- Exploring emerging technologies through hands-on mini-projects and open-source contributions
- Collaborating with peers in the Tech Community to enhance problem-solving skills and discuss coding challenges.

