

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, HTML5, CSS3.
 - **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.
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Education

Bachelor of Technology in Electronics and communication

Amrita Sai Institute of science and technology.

Vijayawada

2020 – 2024

- Final CGPA: 8.58

Pre-University Course (PU)

RK Junior College

Machilipatnam

2018 – 2020

- Final Percentage: 95%

Secondary School Leaving Certificate (SSLC)

Kommareddy High School

Machilipatnam

2017 – 2018

- Final Percentage: 98%
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Academic projects

Machine Learning approach for Rainfall Prediction

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.

Personal Portfolio Website

Designed and developed a responsive personal portfolio website to showcase projects, skills, and resume for professional presentation and job applications.

- Built the website using **HTML**, **CSS**, and **JavaScript**, with clean layout and mobile-friendly design.
 - Showcased academic and personal projects, technical skills, contact information, and downloadable resume.
 - Deployed the website using **GitHub Pages** for public access.
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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.