

# SASHANK VARMA

Mummidivaram, AP

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## Education

**Aditya College of Engineering and Technology, JNTUK**

**2022 – 2026**

*B.Tech in Computer Science Engineering (Artificial Intelligence and Machine Learning) 8.29 CGPA*

*Surampalem, AP*

## Experience

**Aquarlabs**

**Oct 2024 – Present**

*Full-Stack Developer Intern*

*Mummidivaram, AP*

- Working as a full-stack developer with a primary focus on backend development.
- Creating and managing APIs to support various applications and services, including an AI PDF converter project.
- Implementing JWT authentication as a middleware to secure the APIs and managing routes for each conversion process.
- Engaging in comprehensive project work that enhances both front-end and back-end skills.
- Expanding knowledge and experience in backend technologies and full-stack frameworks.

**Edunet Foundation**

**Apr 2024 – May 2024**

*Artificial Intelligence and Machine Learning Intern*

*Mummidivaram, AP*

- Completed a 6-week AI and ML internship using the IBM SkillsBuild platform under APSSDC and Edunet Foundation.
- Developed a sentiment analysis project to classify customer reviews as positive or negative with 75% accuracy.
- Gained hands-on experience working on AI and ML projects, utilizing industry-standard tools and techniques.

## Projects

**FoodLink | MERN Stack, JWT Authentication**

**December 2024 - Present**

- Developed a MERN stack application, FoodLink, to streamline food donation collection from customers and restaurants.
- Implemented a secure login and signup system using JWT authentication, ensuring safe user access.
- Users can enter their location and other details to request or donate food, improving the matching process.
- This platform helps reduce food wastage by connecting donors and recipients efficiently, ensuring surplus food reaches those in need.

**Road Accident Prediction System | Machine Learning, Logistic Regression**

**August 2024 - Present**

- Developed a road accident prediction model using logistic regression to identify accident-prone zones based on historical data.
- Preprocessed and analyzed datasets, incorporating features such as weather conditions, traffic patterns, and road types.
- Achieved an accuracy of 75% in predicting accident likelihood, providing insights into accident risk factors.
- This model helps in proactively identifying high-risk areas, assisting in better traffic management and improving road safety.

## Technical Skills

**Languages:** Python, Java, HTML, CSS, JavaScript, SQL

**Databases:** MySQL, MongoDB

**Developer Tools:** VS Code, GitHub

**Frameworks:** React JS, Express, Node.js, Linux environment

## Certifications

- Generative AI - LinkedIn and Microsoft
- Cybersecurity Essentials - Cisco
- Postman API

## Achievements

- Participated in several coding competitions, continuously increasing knowledge and improving problem-solving skills.
- Awarded the Merit Scholarship from the Central Government under the National Scholarship Portal (NSP).
- Recently participated in the GeeksforGeeks Vulut Cloud Innovative Hackathon and qualified for Phase 2.