

Anga Venkata Sai Akhil

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📍 D-No:45A-2-7, Nagendra Puram, Palakollu,
West Godavari District, 534260.

📅 14th July 1998

📄 PROFILE

To pursue a dynamic and challenging career with a reputable organization where I can fully utilize my knowledge and talents to offer value to the organization also furthering my professional skills.

💼 PROFESSIONAL EXPERIENCE

Software Developer,
Trivedi Advanced Technologies LLC

January 2021 - present

Ahmedabad, Gujarat, India

Role: Full Stack Web Developer

Backend Web Developer:

- Backend Engineer with experience in developing scalable and efficient server-side solutions.
- Collaborated with cross-functional teams to deliver high-quality software products.
- Developed and maintained APIs for data processing and retrieval.

Frontend Web Developer:

- Worked on the design and development of user interfaces for web applications.
- Implemented responsive and interactive front-end components.
- Collaborated with designers to ensure a seamless user experience.

🎓 EDUCATION

Bharatiya vidhya Bhavans public school, Palakollu

2013 - 2014

Secondary School

Of higher

Education-8.8 Cgpa

S.R.K.R Engineering College, Bhimavaram.

2017 - 2020

B.Tech

(Computer

Science

Engineering)- 7.06 Cgpa

Smt.B.Seetha polytechnic, Bhimavaram.

2014 - 2017

Diploma-69.04%

🏠 EXTRACIRCULAR ACTIVITIES

Participated in Ethical Hacking Workshop at JNTU Kakinada

Completed NPTEL online course in "R-Programming" during Aug-Sep 2018 conducted by IIT-KANPUR.

Participated in Power BI Workshop at Office Master.

Completed online Data Science and Machine Learning course from GeeksforGeeks.

📁 PROJECTS

Plumsense, Full Stack Web Developer

January 2021 - present

Description: I've played an important role in the Plumsense project since its inception, guiding its evolution over three years. Plumsense, our exclusive product, is poised to transform IoT difficulties with new solutions.

Key contributions:

- IoT Architecture Design: Created an architecture that incorporates sensors and gateways into containers for smooth data collecting and transfer.
- Sensor Integration: We worked together to integrate sensors into containers to provide exact package monitoring.
- Gateway Implementation: Led the implementation of gateway devices to improve sensor-to-monitoring system communication efficiency.
- Data Analysis and Visualization: Helped create algorithms and tools for successful sensor data interpretation.

Achievements:

- Scalable Infrastructure: Created a scalable infrastructure to support sensors and gateways across various transportation networks.
- Real-Time Monitoring: Package temperature, humidity, and location can now be monitored in real time, improving supply chain visibility.
- Reliability and Accuracy: Through rigorous testing and calibration, we ensured that sensor data was reliable and accurate.

Impact:

- Plumsense improves supply chain visibility, increasing operational efficiency and lowering risks.
- Quality Assurance: Enables proactive quality assurance by recognizing concerns such as temperature excursions early on to protect product integrity.
- Customer Satisfaction: A strong system for package monitoring and tracking demonstrates a dedication to meeting the needs of customers.

Automated Accident Detection and Alert System

November 2019 - April 2020

Objective

- Create an integrated circuit using a machine learning model to quickly detect accidents.
- Train the model with CNNs and RNNs to make real-time decisions on a variety of accident scenarios.
- Implement a system that sends SOS messages to authorities, including detailed accident facts for quick reaction.
- Technological components include machine learning using CNNs and RNNs.
- Computer Vision: Pre-processed video streams that detect accident-related patterns.
- Real-Time Data Transmission: Created a secure, low-latency system for sending SOS messages.

Outcome

The system demonstrated high accuracy in identifying accidents during real-world tests. It promises to revolutionize road safety by significantly reducing emergency response times, showcasing the potential of technology to address societal challenges.

🧠 SKILLS

C ♦ HTML ♦ JAVA ♦ MY-SQL ♦ WEB DESIGNING ♦ PYTHON ♦ Angular
JavaScript ♦ Node.js ♦ CSS ♦ Linux ♦ Cloud- AWS

🎯 INTERESTS

Learning Karate ♦ Listening Music ♦ Interesting in learning new things
Travelling

🌐 LANGUAGES

English | Telugu | Hindi