

BABY SOWJANYA YERRA

+91-7670812974 | babysowjanya2005@gmail.com

linkedin.com/in/baby-sowjanya-yerra | github.com/ ID : babysowjnaya

EDUCATION

Shri Vishnu Engineering College for Women(SVECW), Bhimavaram	<i>Bachelor of Technology in CSE(Artificial Intelligence and Machine Learning)</i>	<i>CGPA: 8.69 (Current)</i>
		<i>2023 – 2026</i>
Government Polytechnic College for Women, Srikakulam	<i>Diploma - Computer Science Engineering</i>	<i>Percentage: 86.5%</i>
		<i>2020 – 2023</i>
Fort City School, Vizianagaram	<i>Secondary School Certificate (SSC)</i>	<i>CGPA: 10</i>
		<i>2019 – 2020</i>

EXPERIENCE

Renault Nissan Tech: Product Lifecycle Management Intern	<i>Apr 2025 – Jul. 2025</i>
Executed data refresh activities and contributed to AI-ML projects Gaining the knowledge Transfer of Spotfire for data visualization. Got self confident with the good communication with clients.	Chennai
INFOSYS SPRINGBOARD Intern	<i>Feb. 2025 – Apr. 2025</i>
Engineered an advanced image recognition model, delivering 85% accuracy in initial testing.	Remote
Robocoupler: Embedded System and Python Intern	<i>Aug. 2022 – Jan. 2023</i>
Acquired practical exposure to embedded systems and Proteus software. And applying Python in real-time projects.	Visakhapatnam

PROJECTS

A-BAJA 2024, 2025, by SAE INDIA	<i>Feb. 2024 – 2025</i>
Designed and optimized an autonomous vehicle control system, achieving 95% object detection accuracy with YOLO v8 and reducing response time by 30%. Contributed to securing 2nd runner-up position at A-BAJA 2024. Tools: YOLO v8, Colab notebook, Git, MATLAB Simulation, RoadRunner, Raspberry Pi 4, Arduino, NVIDIA Jetson Nano, Controllers, Radar, Camera. Roles: Braking Member, Algorithm Developer.	
Advanced Face Recognition System	<i>2025</i>
Developed a real-time face recognition authentication system that uses live webcam input for secure, contactless user login, supporting both user and admin roles with dashboard access and activity tracking. Tools: React.js, Flask, Socket.IO, OpenCV and deep learning face recognition libraries, and SQLite where all contributing to a Seamless, Secure and Responsive login experience. Roles: Designed and implemented the User interface with React, integrated webcam streaming and authentication logic using Flask and Socket.IO.	
Credit Risk Analysis	<i>2025</i>
The project focuses on developing a Credit Risk Analysis System using machine learning techniques to predict the likelihood of loans. It aims to assist financial institutions in making data-driven, fair, and accurate lending decisions to minimize financial losses. Tools: Random forest Ml model,Flask,Streamlit. Roles: Develop the frontend interface using frameworks like flask, Streamlit and integrate the model into the system. .	

SKILLS

Programming & Dev: Java,Python,C,HTML,CSS,JavaScript.	Scikit-learn
Data & Analytics: DBMS,Machine Learning,Deep Learning.	Databases & Tools: MySQL, Git, Linux, VS Code, Eclipse
Core & CS : Data Structures & Algorithms, OOP, DBMS, Operating Systems, Computer Networks	Simulation & Modeling Tools: MATLAB, Simulink, IPG CarMaker.
Frameworks & Libraries: NumPy, Pandas, TensorFlow,	Soft Skills: troubleshooting,Leadership,Adaptability, communication, motivated,committed.

CERTIFICATIONS

- Oracle:** Database,Java
- Machine Learning:** Skill Oriented Training
- Participation Certificates:** Walmart Codehers, FlipKart GWC
- NPTEL Examination:** Database Management System

ACHIEVEMENTS

- INFOSYS SPRINGBOARD** ,presented by **Infosys Springboard** Completed the project and got certified. 2025
- A-BAJA Competition for Autonomous Vehicle**, Secured 2nd Runnerup for this competition 2024

EXTRACURRICULARS

- Languages**, Telugu:Native, English:Full Working Proficiency, Hindi:Fluent