

BABY SOWJANYA YERRA

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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> 2023 – 2026
• Government Polytechnic College for Women, Srikakulam <i>Diploma - Computer Science Engineering</i>	<i>Percentage: 86.5%</i> 2020 – 2023
• Fort City School, Vizianagaram <i>Secondary School Certificate (SSC)</i>	<i>CGPA: 10</i> 2019 – 2020

EXPERIENCE

• Renault Nissan Tech: Product Lifecycle Management Intern 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.	<i>Apr 2025 – Jul. 2025</i> Chennai
• INFOSYS SPRINGBOARD Intern Engineered an advanced image recognition model, delivering 85% accuracy in initial testing.	<i>Feb. 2025 – Apr. 2025</i> Remote
• Robocoupler: Embedded System and Python Intern Acquired practical exposure to embedded systems and Proteus software. And applying Python in real-time projects.	<i>Aug. 2022 – Jan. 2023</i> Visakhapatnam

PROJECTS

• A-BAJA 2024, 2025, by SAE INDIA <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.</i> Tools: YOLO v8, Colab notebook, Git, MATLAB Simulation, RoadRunner, Raspberry Pi 4, Arduino, NVIDIA Jetson Nano, Controllers, Radar, Camera. Roles: Braking Member, Algorithm Developer.	<i>Feb. 2024 – 2025</i>
• Advanced Face Recognition System <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.</i> 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.	2025
• Credit Risk Analysis <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.</i> Tools: Random forest ML model,Flask,Streamlit. Roles: Develop the frontend interface using frameworks like flask, Streamlit and integrate the model into the system. .	2025

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