

Srujana M

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Summary

Computer Science graduate with a strong interest in Machine Learning and Software Development. Skilled in Python (NumPy, Pandas, Scikit-learn) and MERN stack technologies for building modern web applications. Strong problem-solving abilities through regular DSA practice, with a passion for creating scalable, AI-driven solutions to real-world challenges.

Education

Global Academy of Technology

2022 - 2026

BE, Computer Science and Engineering

- CGPA: 9.57

Experience

Intern – Hindusthan Aeronautics Limited (HAL)

Nov 2025 – Dec 2025

IT Department, Aerospace Composites Division

- Assisted in IT infrastructure maintenance, data management, and software support activities, ensuring efficient digital operations and technical reliability within the Aerospace Composites Division.

Skills

- Programming Languages:** Python, Java, Object oriented programming (OOPs) concept
- Web Development:** HTML, CSS, React.js, Node.js
- Database:** MySQL, MongoDB
- Frameworks and Libraries:** NumPy, Pandas, Scikit-learn, Matplotlib, Neural Networks, NLP
- Tools and Platforms:** Git, GitHub, Tableau, VS Code, Jupyter Notebook, Power BI

Projects

SheCares | GitHub | MongoDB, ReactJS, HTML, CSS

Feb 2025

- Built a women's health platform with resources on hygiene, mood tracking, and product recommendations using **React.js** and **MongoDB**.
- Implemented a **dummy API for FAQs**, simulating real-world backend interactions and improving accessibility to health resources.

Fetal Health Classification & Early Congenital Abnormalities Detection | Python, YOLOv8, Grad-CAM

Aug 2025

- Built a deep learning pipeline using **YOLOv8** to classify fetal ultrasound scans and localize congenital abnormalities.
- Integrated **Grad-CAM visualizations** in a web app for real-time diagnosis support with heatmap explanations.

Sentiment Analysis Web App | GitHub | Python, NLP, Hugging Face, Streamlit, Matplotlib

July 2025

- Built a **Sentiment Analysis Web App** using Hugging Face Transformers and Streamlit to classify e-commerce product reviews with high accuracy.
- Enhanced explainability by integrating **attention heatmap visualizations**, enabling deeper insights into model predictions.

Achievements

- Secured **2nd prize** in Pitch Perfect, a Startup and Business Plan competition, for presenting an innovative solution.
- Participated in **Hack-A-League 3.0**, a national-level offline hackathon, showcasing problem-solving and teamwork skills.
- Presented a **research paper at ICRASET-2024**, contributing to academic and technical discourse.

Memberships and Volunteering

- Active Member – PETAL Organization**, a volunteer group focused on community service and social initiatives.
- Member – TiE (The Indus Entrepreneurs)**, engaged in TiE Global Summit (TGS) with mentoring sessions, speaker events, and discussions on entrepreneurship.
- NSS & Youth for Seva Volunteer** – Taught digital literacy to underprivileged students and participated in awareness campaigns.