SUJANA KOLA

Portfolio: sujanakola.github.io/Sujana_Kola_Portfolio | **GitHub:** github.com/Sujanakola | **LinkedIn:** linkedin.com/in/sujana-kola
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Education

Vellore Institute Of Technology, Vellore — **May 2025**
M.Tech Integrated Software Engineering — *CGPA: 9.01*

St.Patricks Junior College, Hyderabad — **April 2020**
TSBIE MPC — *Percentage: 92.4%*

Johnson Grammar School, Hyderabad — **April 2018**
ICSE — *Percentage: 82.83%*

Experience

NXP Semiconductors — **Aug 2024 – June 2025**
Student Technical Intern — *Bangalore*
- Automated 20+ UWB system validation test cases, cutting manual QA effort by 30% and boosting cycle efficiency.
- Resolved critical calibration issues by collaborating with cross-functional teams, improving reliability across multiple firmware builds.

Future Skills Prime — **May 2023 – July 2023**
Data Science Intern — *Remote*
- Built and deployed a 94% accurate thyroid disease classification model using Random Forest and Flask.
- Managed full ML pipeline including data cleaning, feature engineering, hyperparameter tuning, and model deployment.

Valsco Technology-Jurident — **April 2023 – July 2023**
UI/UX Design Intern — *Vellore*
- Designed 15+ high-fidelity Figma prototypes for a legal-tech platform, improving usability testing scores by 40%.
- Enhanced end-user experience through iterative design and feedback incorporation, leading to production-level adoption.

Projects

- **Budget Tracker** | (Live Demo) | (GitHub) Built a responsive web app to manage income/expenses with category filtering, CSV export, persistent `localStorage`, and real-time charts. **Tech:** HTML, CSS, JavaScript, Chart.js
- **Thyroid Disease Classification** | (Live Demo) | (GitHub) Streamlit-based ML app predicting thyroid conditions from user input. Achieved **94% accuracy** using Random Forest with feature engineering and EDA. **Tech:** Python, Streamlit, scikit-learn
- **Seam Carver** | (Live Demo) | (GitHub) Java CLI tool implementing content-aware image resizing using seam carving with dynamic programming and pixel energy metrics. **Tech:** Java, Image Processing

Technical Skills

Languages: Python, Java, JavaScript, HTML/CSS, SQL
Tools/Frameworks: Jenkins, Flask, Streamlit, Selenium, Git, Bootstrap, Tailwind, Bitbucket
Platforms: VS Code, WordPress, Figma, Photoshop, Trello
Concepts: Machine Learning, Web Development, Test Automation, OOPS, CI/CD

Certifications

- AWS Certified Cloud Practitioner – Amazon Web Services
- Web Development (HTML, CSS, JS) – Coursera
- Python Programming (Programming for Everybody) - Coursera

Achievements

- **1st Place** – HackX 36-Hour Hackathon by IEEE-SPS (2021). Led Team Hackers-XD to build and deploy an innovative tech solution in a time-critical environment.
- **Published Paper** – Presented *Handwritten Character Recognition Using Deep LSTM Approach* at the 14th International Conference on Soft Computing and Pattern Recognition (SoCPaR 2022).
- **Merit Scholar** – Received VIT Merit Scholarship for academic excellence (2020–2021).
- **Leadership** – Core Member of 3 active student clubs at VIT: VinnovateIT, FEPSI, and Animation Club, contributing to technical and creative initiatives.