





SUJANA KOLA

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Education

Vellore Institute Of Technology, Vellore

M.Tech Integrated Software Engineering

May 2025

CGPA: 9.01

St.Patricks Junior College, Hyderabad

TSBIE MPC

April 2020

Percentage: 92.4%

Johnson Grammar School, Hyderabad

ICSE

April 2018

Percentage: 82.83%

Experience

NXP Semiconductors

Student Technical Intern

Aug 2024 – June 2025

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

Data Science Intern

May 2023 – July 2023

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

UI/UX Design Intern

April 2023 – July 2023

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.

VinPreP at VinnovateIT

Management

June 2021 – July 2021

Remote

- Initiated and managed a student upskilling program, increasing participant engagement by 50% via targeted prep sessions and mock interviews.
- Coordinated a team of 5+ volunteers to ensure timely execution and feedback collection.

Projects

Budget Tracker – [Live Demo](#) | [GitHub](#)

- Built a fully responsive web app to track income and expenses with category-wise filtering, CSV export, real-time balance updates, persistent localStorage integration, and Chart.js-based spending visualizations.

Thyroid Disease Classification – [Live Demo](#) | [GitHub](#)

- Built a Streamlit-based ML web app using Random Forest (94% accuracy) with thorough preprocessing, EDA, and feature selection, deployed on Render for real-time thyroid disease predictions from user input.

Seam Carver – [Live Demo](#) | [GitHub](#)

- Engineered a Java CLI tool using seam carving and pixel energy metrics for content-aware image resizing, with dynamic programming for high-res performance and user-driven directional seam removal.

Technical Skills

Languages: Python, Java, JavaScript, HTML/CSS, SQL

Tools/Frameworks: Flask, Streamlit, Selenium, Jenkins, Git, Bootstrap, Tailwind, Bitbucket

Platforms: VS Code, WordPress, Figma, Photoshop, Trello

Concepts: Machine Learning, Web Dev, Test Automation, OOP, 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.