





# SUJANA KOLA

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## Education

**Vellore Institute Of Technology, Vellore**

*M.Tech Integrated Software Engineering*

**Expected June 2025**

*CGPA: 8.87*

**St.Patricks Junior College, Hyderabad**

*TSBIE MPC*

**2020**

*Percentage: 92.4%*

**Johnson Grammar School, Hyderabad**

*ICSE*

**2018**

*Percentage: 82.83%*

## Experience

**NXP Semiconductors**

**Aug 2024 – Present**

*Student Technical Intern*

*Bangalore*

- Currently developing automation solutions, feature enhancements, and bug fixes in UWB systems, contributing to improved testing frameworks, protocol updates, and internal spec alignment. Collaborating with cross-functional teams to implement change requests, automate validation, and address critical issues impacting performance and calibration.

**Future Skills Prime**

**May 2023 – July 2023**

*Intern*

*Remote*

- Developed and implemented machine learning algorithms to build a thyroid prediction system using Python and related data science libraries. Collaborated closely with the team to incorporate the predictive model into a real-time website.

**Valsco Technology-Jurident**

**April 2023 – July 2023**

*UI/UX Design Intern*

*Vellore*

- Contributed to the design of the Jurident app's user interface and user experience (UI/UX), with the goal of developing an intuitive and accessible platform for both attorneys and the general public. Enabled seamless collaboration with team members and stakeholders throughout the design process.

**VinPreP at VinnovateIT**

**June 2021 – July 2021**

*Management*

*Remote*

- Managed the VinPreP event for the VinnovateIT Club, which focused on offering useful insights on placement experiences and anticipating frequent interview questions. Played a key role in enhancing members' preparedness for placements through strategic event planning and execution.

## Projects

**Thyroid Classification System** | *Python, Machine Learning*

**June 2023**

- Developed a user-friendly website allowing users to input thyroid-related details, integrating the machine learning model for real-time thyroid classification. Users receive immediate outputs indicating their thyroid classification type.
- Utilized Random Forest and Decision Tree and feature engineering to improve prediction accuracy.

**Spotify Clone Website** | *HTML, CSS, Javascript*

**Aug 2022**

- Developed a responsive and visually appealing user interface that replicates key features of the original platform.
- Successfully integrated a functional audio player using JavaScript, allowing users to play, pause, and skip tracks.

**Seam Carver** | *Java, VsCode*

**May 2022**

- Implemented the seam carving technique to intelligently resize images by removing less critical seams, preserving essential content and improving the overall visual appeal.
- Designed and integrated an energy calculation system to determine the importance of each pixel, ensuring effective seam identification.

## Technical Skills

**Languages:** Python, Java, HTML, CSS, Tailwind CSS, Bootstrap, JavaScript, SQL

**Developer Tools:** Jenkins, Figma, VS Code, Adobe Photoshop, Trello

**Technologies/Frameworks:** Bitbucket, Git, Github, WordPress, Selenium

**Soft Skills:** Event Management, Team Player, Communication, Creativity

## Certifications

- AWS Cloud Practitioner-Amazon
- HTML, CSS, JS for Web Developers-Coursera
- Programming for everybody(Getting started with python)-Coursera

## Achievements

- Published and presented a conference paper titled **Handwritten Character Recognition Using Deep LSTM Approach** at the 14th International Conference on Soft Computing and Pattern Recognition (SoCPaR 2022).
- Active core member in 3 VIT clubs - VinnovateIT, FEPSI, VIT Animation Club.
- Awarded Merit Scholarship for outstanding academic performance during the 2020-2021 academic year.
- Team Hackers-XD won 1st place in HackX-36hrs Hackathon conducted by IEEE-SPS held in 2021