KHUSHI SHETTY

Electronics and Communication Engineer
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Summary

Enthusiastic engineering student with a passion for innovation, inspired by an academic journey that has fueled a dedication to continuous learning and exploration. Committed to embracing and overcoming challenges, with a focus on leveraging opportunities for growth and driving success within a dynamic organization.

Education

St Joseph Engineering College — Mangalore, India
Bachelor of Engineering, Electronics and Communication - CGPA: 9.64 — *2021 - 2025*

Lourdes Central School — Mangalore, India
Higher Secondary Education, PCMB - Percentage: 96% — *2019 - 2021*

Lourdes Central School — Mangalore, India
Secondary Education - Percentage: 94% — *2019*

Experience

Intern at Mresult Services Pvt Ltd — Feb. 2025 - May. 2025
Mangalore, India
- Assisted the team in developing an AI-powered automation tool, focusing on improving task management and workflow efficiency.
- Involved in testing, requirement analysis, and documentation to enhance agile project execution.

Embedded System & IoT Intern at RDL Technologies Pvt Ltd — Oct. 2023 – Nov. 2023
Mangalore, India
- Specialized in Internet of Things (IoT) using ESP32 and Arduino platforms.
- Completed numerous IoT projects including LCD Display, Real-Time Clock, and Bluetooth controls.
- Integrated theoretical knowledge with practical skills, enhancing professional capabilities in IoT.

Projects

Personal Portfolio Website | *HTML, CSS, Basic JavaScript* — March 2025
- Developed a responsive and interactive portfolio website using HTML, CSS, and JavaScript.
- Implemented modern UI/UX principles, including an animated background for enhanced user experience.

Autonmous Navigation Bot | *Embedded Systems, Embedded C, Hardware Integration* — Sep. 2024 – Jan. 2025
- Designed and developed an autonomous navigation bot utilizing RFID technology to assist in path detection and navigation.
- Implemented Dijkstra's algorithm for shortest path calculation and integrated Arduino with Johnson motors and RFID readers for efficient movement control.

Arduino Uno I/O Expansion Board using I2C protocol | *Embedded Systems, Arduino* — Jan. 2024 – Jul. 2024
- Expanded Arduino Uno's I/O capacity from 14 to over 50 pins using multiple PCF8574 modules via I2C.
- Designed and implemented the system, embedded showcasing skills systems.

Skills

Languages: C, C++, Python, MATLAB, HTML, CSS
Hardware: Embedded Systems, Digital & Analog Electronics, VLSI
Developer Tools: GitHub, Arduino IDE, Keil µVision
EDA Tools: Cadence Virtuoso, MATLAB Simulink

Certifications

Salesforce Virtual Administrator Virtual Internship - Salesforce — *Jan. 2024*
Basics of Python - Infosys Springboard — *Nov. 2023*
Python Bootcamp - SJEC — *Feb. 2023*