VINITH S SHETTY

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Professional Summary

Electronics and Communication Engineering student with hands-on experience in PCB design, robotics, Full Stack development, UI/UX design, Data Analytics and signal processing. Certified in Data Analytics through Capgemini & ICT Academy, gaining insights into data-driven decision-making. Proficient in MATLAB, Keil uVision, and Jupyter. Passionate about Technology and eager to contribute to innovative solutions in the IT industry, developing innovative embedded systems and IoT solutions.

Education

Bachelor of Engineering (Electronics and Communication Engineering)

Sir M Visvesvaraya Institute of Technology | Ongoing | Current CGPA: 8.1

Class 12 (Science)

Expert Pre University College, Mangaluru | 2020 | 77%

Class 10

Nisarga Vidyanikethana Eng Med High School, Kollegal | 2018 | 91%

Technical Skills

- Programming: MATLAB, Python, C

- Tools: Keil uVision, Multisim, Jupyter, Cadence, Proteus

- PCB Design, Robotics, Signal Processing

Projects & Internships

SPR Sensor - IEEE Photonic Internship

- Developed a Surface Plasmon Resonance (SPR) sensor using MATLAB and Python.

- Improved detection accuracy by 15% through signal optimization techniques.**PCB Designing - SDP**

- Designed and fabricated a PCB for an IoT-based project.

- Utilized Altium Designer for schematic and layout creation.

Robotics - Comedkares Innovation Hub

- Built an autonomous robotic system using Arduino.

- Integrated sensor-based navigation for obstacle avoidance.

Data Analytics - Capgemini & ITC Academy

- Completed Data Analytics under the Capgemini Student Transformation Program

- Gained knowledge in data analysis techniques, tools, and real-world applications.

Full Stack Development & UI/UX - Varcons technology

- Built and optimize components

- Using technologies like **HTML, CSS, JavaScript, React, Node.js**

- Worked with databases like **MySQL and MongoDB** and implemented responsive designs

Certifications

- Embedded Systems Course – Coursera

- Data Analytics – Capgemini & ITC Academy

- IoT and Automation – Udemy

Extracurricular Activities & Achievements

- Awarded Third Prize in Badminton at High School Zonals

Languages

- Kannada (Fluent) | Hindi (Fluent) | Telugu (Conversational) | English (Fluent)