ADITHI V SHETTY

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An aspiring tech enthusiast, analytical and creative team-playing engineering graduate, seeking an opportunity to position myself in challenging tasks that enable me to apply my technical skills towards the growth of the company, gain hands-on experience, and contribute to cutting-edge projects in the industry to achieve a responsible position and personal goal.

EDUCATION

B.E - Electronics & Communication Engineering
Mangalore Institute of Technology & Engineering, Moodabidri.
CGPA: 9.28 2019 - 2023

Senior Secondary School - CBSE
Jawahar Navodaya Vidyalaya Chara, Udupi.
Percentage: 83 2017 - 2019

Secondary School - CBSE
Jawahar Navodaya Vidyalaya Chara, Udupi.
CGPA: 9.2 2017

SKILLS

LANGUAGES & INTERFACE:
HTML, CSS, Python, SQL, C, JavaScript.

TOOLS:
MySQL, PostgreSQL, Power BI, Excel, Keil, Multisim, Solid Edge.

TECHNOLOGIES:
Web Development, Data Analytics

CERTIFICATIONS

- **Data Science** from Corizo, December 2022.
- **Data Structures** from University of California San Diego, Coursera, March 2021.
- **Introduction to the Internet of Things & Embedded Systems** from University of California Irvine, Coursera, July 2022.
- **Data Science & Machine Learning** from Edyst, September 2022.

PUBLICATION

Published a paper titled **"Review on Supercapacitor as Energy Storage System"** in the **Technix International Journal of Engineering Research (TIJER)** Volume 10, Issue 5 on May 2023.
https://tijer.org/viewpaperforall?paper=TIJER2305165

INTERNSHIP

DLithe | Intern June 2022 - August 2022

Technologies: Arduino, Embedded system, IoT.

- Gained hands-on experience with various microcontrollers, sensors, and actuators.
- Worked on various microcontrollers, SoC, sensors, and actuators with real-time web server development activities using C programming.
- Acquired knowledge of SPI and UART communication protocols and PCB fabrication.

Flextronics Technologies (India) Pvt Ltd | Intern Feb 2023 - March 2023

- Involved in understanding the basic concepts of computer networks and networking components.
- Gained knowledge of testing and the role of fault analysis in the field of testing. Analyzed the problem statements and came up with appropriate solutions.
- Developed software testing programs for networking components, focusing on power cycle tests.

PROJECTS

Website for Aparyanta Constructions & Development

Technologies: HTML, CSS, JavaScript, Python.

- Designed and developed a dynamic and visually appealing website for Aparyanta Constructions & Development, a prominent construction and architectural company.
- This website showcases their portfolio, services, and expertise in the construction and architectural industry.

ACHIEVEMENTS

- Received the **"Best Project of the Year"** award and sponsorship for our project during the state-level Seminar and Exhibition in the SPP organized by **Karnataka State Council for Science and Technology (KSCST)** in August 2023.
- Secured 1st place in the Innovation-2023, Annual student project competition, organized by the IEEE MITE Student branch in association with the Institution's Innovation Council.

EXTRACURRICULAR

- Placement Coordinator - Electronics & Communication Student Association (ECSA) 2021-22 & 2022-23.
- Served as the (CR) Class Representative for ECE in the year 2021-2022.

Data Analysis and Insights on Formula 1

Technologies: SQL, Python, Power BI.

- Meticulously crafted a comprehensive data analysis report and an interactive dashboard using the powerful tools of Power BI.
- This dashboard offers an immersive experience for both Formula 1 fans and data enthusiasts, that allows them to explore Formula 1 from every angle.

A Power Supply using Supercapacitor Storage Powered by Solar PV Cells

- Fabricated an efficient supercapacitor device and demonstrated the glowing of a set of LEDs using the fabricated supercapacitor and compared its performance with commercial supercapacitors.
- Demonstrated the viability of using supercapacitors as a robust energy storage solution.

Gesture and Sign translator glove

- Designed a wearable glove using Arduino, flex sensors, and an accelerometer to translate sign language into spoken English. It makes speech-impaired individuals to communicate more easily with the general public.
- The main feature of the prototype includes a gesture recognizer that is portable and reduces the necessity of learning sign language gestures for normal people.