AYUSH DUBEY

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SUMMARY

Highly motivated and ambitious undergraduate student seeking valuable industry experience and opportunities to apply academic knowledge in a professional setting. Eager to contribute to an organization's success while further developing skills and gaining practical experience in the industry. Committed to excellence, continuous learning, and personal growth.

EDUCATION

B.Tech, Electrical and Electronics Engineering Graduating July 2025
Vellore Institute of Technology, Chennai 8.39 CGPA
VIT University
Relevant coursework: Power Electronics, Power System, Analog Electronics , Microprocessor, Internet of Things, Signals and Systems, Digital Signal Processing

TECHNICAL SKILLS

Technical skills: HTML, CSS, JavaScript, Node-RED, Tinkercad , AWS , Google Cloud
Programming Skill: Core Java, Python, Object oriented programming, C++, R, MySQL, Matlab, Simulink, Verilog HDL, Assembly Language , Arduino, PCB Design
Tools/Softwares: VS Code, Eclipse IDE, Cisco Packet Tracer, Git, Keil uVision, LtSpice, ModelSim

ACADEMIC PROJECTS

Heart Disease Prediction June 2023 - Present
Implemented by using Logistic Regression Model to predict Coronary Heart Disease. **Technologies: Python, Pandas , Matplotlib:**

- The project focuses on predicting the risk of coronary heart disease using a logistic regression model. Heart diseases are a leading cause of global deaths, and early detection is vital for effective preventive measures.
- Leveraging a dataset from the Kagel, the project analyzes various risk factors, including demographics, behavioral habits, and medical history, to create a predictive model that aids in identifying individuals at higher risk of heart disease.

Single Axis Solar Tracking System with Arduino June 2023 - July 2023
The Single Axis Solar Tracking System is an innovative project that aims to optimize solar panel efficiency by aligning it with the sun's position throughout the day. The system utilizes an Arduino microcontroller to control the movement of the solar panel

Password-Based Door Lock System with Arduino April 2023 - May 2023
The Password-Based Door Lock System is an innovative project that enhances security by allowing access to a door or gate only when the correct password is entered. The system utilizes an Arduino microcontroller and a keypad to manage user authentication and control the locking mechanism.

CERTIFICATE AND ACHIEVEMENTS

- Introduction to Cybersecurity by Cisco Networking Academy
- Certificate for the Completion of Python 3.4.3 Training by Spoken Tutorial
- Certificate of AWS Academy Graduate - AWS Academy Cloud Foundations

ACTIVITIES

Head of Marketing Department Fitness Club
Promoting Fitness Activities and organizing and managing events related to Fitness.

INTERPERSONAL SKILLS AND HOBBIES

- Communication skill, Problem Solving Skills, Analytical and Leadership Skills
- Chess, Cricket, Reading, Photography, Music