Vaibhav Magadum

 Vaibhav-Magadum | in Vaibhav Magadum | ✉ vaibhavmagadum859@gmail.com | 📱 +91 9380222052

EDUCATION

Dayananda Sagar College Of Engineering   SGPA: 9.1
B.E in Information Science (VTU)   *2022 – 2026*
Jawahar Navodaya Vidyalaya   **87.6%**
CBSE — Higher Secondary/Senior School   *2020 – 2022*

SKILLS

Languages:	Python, C, C++, JavaScript
Frameworks/Technologies:	Linux, Git, Github, Flask, VS Code, Docker, React

PROJECTS

Restaurant Management System   GitHub

- Developed a comprehensive system to manage restaurant operations, including order processing and inventory management.

Project Zeta   Deployed

- Created a web platform for teachers to create CTF-like challenges.
- Utilized Flask for backend and Supabase for database management.
- Designed a gamified approach to teaching cybersecurity concepts.

Smart Traffic Management System — *Python, Pyfirmata, ftplib*   GitHub

- Utilized computer vision (YOLO v8) for adaptive traffic signal control and real-time traffic density calculation.
- Implemented Arduino Uno to control traffic lights, enhancing traffic management and signal synchronization.
- Implemented WLAN data transfer using FTP for real-time traffic density information, optimizing signal control and data logging.

ACHIEVEMENTS AND CERTIFICATIONS

Google Cybersecurity   Coursera (Mar 2024)

An eight-course professional certificate program in cybersecurity. Acquired skills in threat detection, incident response, network security, Python automation, SQL, etc.

WordPress   Eduta (May 2024)

The WordPress course on Eduta.org teaches beginners how to set up, customize, and manage WordPress sites, including themes, plugins, and essential site functionalities.