K Dhanush Varddhan
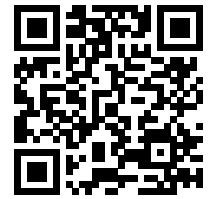
dhanush21110456@snuchennai.edu.in
6381562738
LinkedIn
GitHub
Leetcode

EDUCATION

Shiv Nadar University Chennai   Chennai, TamilNadu
B.Tech CSE IoT   *2021-2025*
- CGPA: **8.6/10.0** (6 semesters)

TECHNICAL SKILLS

- **Proficient in:** JavaScript, TypeScript, Tailwind CSS, Java, Python, C, C++, MySQL, PostgreSQL, MongoDB, Postman, ReactJs, NodeJs, Express, NextJs, Redux Toolkit, Git/GitHub, Figma, Angular, Bootstrap, Flutter, NumPy, Pandas, Tableau, OpenCV

- **Familiar with:** Arduino IDE, Raspberry Pi

EXPERIENCE

Full Stack Development Intern   July 2023 - August 2023
Tata Communications   *Chennai, TamilNadu*
- Developed an e-commerce website using Angular, Flask, and MySQL.
- Created dynamic UI with Angular, ensuring a seamless user experience.
- Developed a secure Flask back-end handling data and APIs.
- Managed MySQL databases for efficient data handling.
- Implemented payment gateways and shopping cart functionality.

Flutter Development Intern   Jan 2024 - Feb 2024
AppLever Tech   *Bangalore, Karnataka*
- Developed event management app integrating QR code scanning, geo-fencing, and Google Maps API functionalities.
- Implemented QR code scanning feature for streamlined check-ins and registration processes.
- Utilized geo-fencing technology to enhance location-based notifications and event management.

CERTIFICATIONS

- Programming in Java (NPTEL)

- Software Testing (NPTEL)

- Data Science for Engineers (NPTEL)

PROJECTS

Gesture Control using Ultrasonic Sensor | *Arduino, Ultrasonic Sensor (HC-SR04), link*
- Designed and implemented an IoT project utilizing an ultrasonic sensor to control multimedia devices.
- Developed hardware setup with Arduino and ultrasonic sensor to detect hand gestures and movements in real-time.
- Used Python for interfacing with the Arduino and processing sensor data.

E-commerce Website | *React, Node, MongoDB, Express, link*
- Created responsive front-end interfaces with React, ensuring intuitive UI and seamless navigation.
- Implemented a robust back-end system with Node.js and Express, handling data processing, user authentication, and API integration.
- Optimized data storage, retrieval, and manipulation for scalable e-commerce operations using MongoDB.

Cycle Monitoring System | *Firebase, Flutter, Arduino, link*
- Developed a cycle monitoring system integrating Arduino microcontrollers, GPS technology, Flutter, and Firebase.
- Utilized Arduino for hardware interfacing, GPS for location tracking, and Flutter for the mobile application interface.