K Dhanush Varddhan

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EDUCATION

Shiv Nadar University Chennai   Chennai, TamilNadu
Btech cse IoT   *2021-2025*
- CGPA : **8.6/10.0 (4 semester)**

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

TECHNICAL SKILLS

- **Proficient in**: JavaScript, TypeScript, Tailwind CSS, Java, Python, C, C++, MySQL, Postgres, MongoDB,, Postman, ReactJs, NodeJs, Express, NextJs, Redux Toolkit, Git/Github, Figma, Java, Angular, Bootstrap, Flutter, Numpy, Pandas, Tableau, Open CV
- **Familiar with**: : Arduino IDE, Raspberry pi

CERTIFICATIONS

- PROGRAMMING IN JAVA – NPTEL
- SOFTWARE TESTING – NPTEL
- DATA SCIENCE FOR ENGINEERS – NPTEL
- FULL STACK DEVELOPMENT – UDEMY

PROJECTS

Media control using Ultrasonic sensor   *| Arduino, Ultrasonic sensor(HC-SR04), <u>link</u>*
- Designed and implemented an innovative Internet of Things (IoT) project utilizing an ultrasonic sensor to control multimedia devices.
- Developed a hardware setup involving Arduino and an ultrasonic sensor to detect hand gestures and movements in real-time.
- Utilized Python for interfacing with the Arduino and processing sensor data.

E-commerce Website   *| Angular, Flask, Bootstrap, MySQL, <u>link</u>*
- Employed Angular to create visually appealing and responsive front-end interfaces, ensuring an intuitive user interface and seamless navigation.
- Designed and implemented a robust back-end system using Flask, a Python-based micro web framework, to handle data processing, user authentication, and API integration
- Utilized MySQL databases to manage and optimize data storage, retrieval, and manipulation, guaranteeing efficient and scalable e-commerce operations.

Cycle monitoring system   *| Firebase, Flutter, Arduino, <u>link</u>*
- Developed a cycle monitoring system integrating Arduino micro controllers, GPS technology, Flutter, and Firebase.

- Utilized Arduino for hardware interfacing, GPS for location tracking, and Flutter for the mobile application interface.