

Parvesh R

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EDUCATION

Sri Venkateswara College Of Engineering, Chennai, Tamilnadu, India

CGPA 8.18

Bachelor of Engineering in Electronics and Communication Engineering

May 2021 – May 2025

Narayana E-Techno School, Chennai

92.4/100

Grade 12

Aug. 2014 – May 2018

EXPERIENCE

INTERN

Jan 2024 – May 2024

Larsen & Toubro, PT & D IC

Chennai, TamilNadu

- Development and implementation of a supply chain management solution powered by Hyperledger fabric blockchain technology.
- Implementing hedging mechanisms within the blockchain solution, mitigating financial risks, and enhancing the resilience of the supply chain network against market fluctuations
- Contributed in Chaincode development using Golang and Hyperledger fabric API. Developed Frontend website using Bootstrap CSS and Javascript. Helped in Integration using Golang-jin framework

INTERN

July 2023

Motherson Technology Service Limited

Chennai, TamilNadu

- Development of a Driver Monitoring System (DMS) utilizing Artificial Intelligence (AI) and Internet of Things (IoT) .
- Integrated sensors into a vehicle to collect real-time data from the driver, such as gas and alcohol detection. This data was used for driver behavior analysis.
- Implemented a real-time alert system that would notify the driver of potential dangers, such as a drowsy or distracted state, through visual and auditory alerts.

PROJECTS

Emergency Communication Device using Lo-Ra based Mesh Network

Aug 2024- Present

- Using STM32-based microcontrollers and LoRa module to establish a mesh network for long-range, low-power communication. Incorporate GPS for navigation assistance and real-time weather alerts
- Developing a PCB to improve the compactness and reliability in hard weather conditions

Revolutionizing Fleet Management Using Customized Telematic Control Unit

Sep 2023- Nov 2023

- Developed advanced TCU and VIM to capture vehicle data without factory telemetry ports Using various sensors to collect extensive vehicle metrics such as engine performance, payload, fuel efficiency, location, and diagnostics. Developed an intuitive dashboard for real-time monitoring, AI-driven insights, and detailed reporting.

Smart Blindstick for Visually Impaired People

Mar 2022- Apr 2022

- Developed an aid to assist Visually Impaired People in, navigation and recognition, Used GPS, fall detection mechanism, sensors for effective navigation, and a website that keeps their relatives updated on their status.

TECHNICAL SKILLS

Languages: Java, Python, C, JavaScript, HTML/CSS, HDL, embedded C, HAL Programming

Frameworks: Flask

Developer Tools: Git, Docker, Github

Libraries: pandas, NumPy, Matplotlib

Others: UI/UX, IoT, PCB Design(Altium , kicad), Project Management, embedded system design, STM32

CERTIFICATIONS

Joy of Computing using Python NPTEL

Microcontroller Embedded C Programming Absolute Beginners UDEMY

Introduction to Embedded Systems NPTEL

HTML, CSS and JavaScript for Web Developers Coursera

Git and Github Coursera