Jervin Matthew A

Junior Software Developer

Emerging Full Stack Developer with a Passion for Learning and Growth

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SKILLS

HTML | CSS | JAVA

LANGUAGES

English
Professional Working Proficiency

Tamil
Full Professional Proficiency

INTERESTS

Music | Photography | Sports

EDUCATION

B.Tech Electrical and Electronics

Vellore Institute of Technology, Chennai Campus

06/2021 - Present *Chennai*

ORGANIZATIONS

PHOTOGRAPHY CLUB - VITC (06/2023 - Present)
Photographer, Videographer and Editor

THE SHORT FILM CLUB - VITC (01/2023 - Present)
CORE HEAD - Graphic Designing, Video Editing.

CERTIFICATES

MACHINE LEARNING USING PYTHON (08/2022 - 10/2022)
A value added course conducted at VIT

ETHICAL HACKING (01/2023 - 04/2023)
An NPTEL course with examination and certification

PERSONAL PROJECTS

WIRELESS CHARGER FOR EVs. (06/2023 - 08/2023)

- Simulation and Hardware Designing.
- Components used: DC-DC Converter, 16F877A MC, IC 7805, Gate Driver IC, MOSFET.
- Designed and implemented wireless charger by a 4-person crew over 12- weeks.
- A DC-DC wireless converter that enables high frequency wireless power transfer for EVs to achieve fast charging.

SMART WATER FLOW. (06/2023 - 08/2023)

- Hardware Coding.
- Components used: MC ATmega328, LED Display, Ultrasonic sensor, Motor.
- Designed and implemented water flow controller with a 4-person crew over 12-weeks.
- Smart Controller that monitors and controls water level in tanks and reservoirs.

SMART DOORLOCK SYSTEM. (06/2023 - 08/2023)

- Hardware Coding.
- Components used: MC ATmega328, MOSFET[IRF 540], IC 7805, RFID Sensor, LCD Display.
- Designed and implemented Smart Door Lock with a 4-person crew over 12-weeks.
- Smart Door Lock requires unique RFID to unlock your home door.

SMART PARKING SYSTEM. (06/2023 - 08/2023)

- Hardware Coding.
- Technologies used: Arduino, Ultrasonic sensor, Node MCU[ESP-8266], IR sensor.
- Designed and implemented a smart sensing parking with a 4-person crew over 12-weeks.
- The system detects the occupied parking and opens the unoccupied one. Latest IOT technologies are used.