MANIBALA V

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📍 No:2,Old Hospital Street Mudaliarpet,Puducherry-4

👤 CAREER OBJECTIVE

To obtain a challenging position that fully utilizes my technical skills and provides me with suitable opportunities to groom my potential and grow with the Organization.

EDUCATION

2009 – 2021

AMALORPAVAM HIGHER SECONDARY SCHOOL,PUDUCHERRY

HIGH SCHOOL(2018-2019)
- **PERCENTAGE: 96%**

HIGHER SECONDARY(2020-2021)
- **PERCENTAGE: 95%**

2021 – 2025

SRI MANAKULA VINAYAGAR ENGINEERING COLLEGE,PUDUCHERRY

B.TECH CSE(PURSUING)
- **CGPA: 8.55**

TECHNICAL SKILLS

- JAVA
- C++
- HTML
- CSS
- SQL

MINI PROJECT

IOT BASED PARKING SPACE FINDING SYSTEM

- Designed an innovative IoT-based smart parking system with seamless GPS integration.
- Enabled real-time detection of vacant parking spaces using advanced sensors.
- Leveraged the ESP8266 Wi-Fi module for efficient data transmission to the cloud.
- Developed a user-friendly mobile app for real-time parking updates and accessibility.
- Integrated precise GPS navigation to guide users to the nearest available parking spot effortlessly.
- Optimized the system to reduce time, fuel consumption, and urban traffic congestion.
- Delivered a solution that enhances parking efficiency while providing a superior user experience in high-demand urban areas.

AREA OF INTEREST

- CYBERSECURITY
- DATABASE MANAGEMENT SYSTEMS
- UI/UX DESIGNING

LANGUAGES KNOWN

- FRENCH
- ENGLISH
- TAMIL

INTERPERSONAL SKILLS

- TIME MANAGEMENT
- TEAM COLLABORATION
- DECISION MAKING
- COMMUNICATION SKILLS

INTERNSHIPS

- AI-ML Virtual Internship(GOOGLE)
- CYBERSECURITY Virtual Internship(PALO-ALTO)

HOBBIES & INTERESTS

- CYCLING
- GARDENING
- SPORTS
- VOLUNTEERING
- LANGUAGE LEARNING
- MEDITATION
- VIDEO EDITING

TOOL PROFICIENCY

DESIGN

- ADOBE PHOTOSHOP
- ADOBE AFTER EFFECTS
- MS WORD
- MS POWERPOINT

WORKSHOPS ATTENDED

- MYSQL Workshop - VTEACH,Tindivanam.
- WEB Development Workshop, Top Engineers - India, IIT Madras Research Park.

FINAL-YEAR PROJECT

SMART HELMET SAFETY SYSTEM USING IOT

- Developed an IoT-powered smart helmet system integrating sensors for temperature, humidity, and gas detection, ensuring real-time monitoring of hazardous conditions.
- Designed a proactive safety mechanism featuring a buzzer for instant alerts during unsafe gas levels or low oxygen, enhancing user safety.
- Incorporated GPS and Wi-Fi connectivity, enabling precise real-time location tracking, seamless data transmission, and cloud-based updates via a mobile app.
- Delivered a user-centric solution that provides instant alerts, emergency responses, and comprehensive tracking, setting new standards for smart safety systems.

WEB PROJECT

WEATHER APP PROJECT

- Developed an intuitive Weather App providing real-time weather updates and a 5-day forecast for any city, enhancing user experience with detailed weather data.
- Integrated OpenWeatherMap API for accurate weather metrics (temperature, humidity, wind speed) and Algolia Places for fast, intuitive location searches.
- Optimized app performance using modern web technologies (HTML, JavaScript, CSS, Webpack) to ensure a smooth, responsive, and efficient build process.

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CERTIFICATIONS

- Google Cybersecurity Analyst(GOOGLE)
- Problem Solving through Programming in C++(NPTEL)
- Artificial Intelligence(GUVI-GOOGLE)
- Java (WIPRO)

ACHIEVEMENTS & AWARDS

- Won First Prize in Technical Paper Presentation conducted by Christ College, Puducherry.
- Won First Prize in Technical Quiz Competition conducted by IEI Students Chapter, SMVEC, Puducherry.
- Our idea on the Automated Parking Space Finder using IOT had been selected as one of the top 20 ideas within associate states of Puducherry by CII, Puducherry.