Muthuvengadesh M

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SUMMARY

A software developer proficient in **Python, C, Java, HTML, CSS**, with expertise in building **efficient, scalable software solutions**. Skilled in **debugging, problem-solving, and collaborating** with cross-functional teams to drive project success. Seeking opportunities to apply expertise in **software development, optimization, and innovation**.

EXPERIENCE

web development Internship

Octanet Services PVT. LTD   **January 2023   – January 2023**

· Gained hands-on experience in modern web development technologies while designing and implementing a **responsive landing page**. Developed a strong foundation in **HTML, CSS, and JavaScript**, focusing on adaptive design principles and UI/UX best practices. Enhanced problem-solving skills through debugging and performance optimization. Collaborated effectively with mentors and peers to refine technical capabilities and build scalable web solutions.

PROJECT

Customizable AI Chatbot

· Developed an interactive AI chatbot using **Gemini API** for real-time customizable conversations. Designed a **React.js frontend** with dynamic prompt updates and chat history, and built a **Flask/FastAPI backend** to handle API requests and chat session management. Implemented **real-time messaging** and a **modular architecture** for scalability and future expansion.
· **Tech Stack:** React.js, JavaScript, Python (Flask/FastAPI), Gemini API, HTML/CSS, Git

Bus Ticket Reservation System

· Designed and developed a **console-based application** in **C programming** to simulate a bus ticket reservation system. Enabled users to **book, view, and cancel tickets** efficiently while implementing **data validation** and **structured programming** principles.
· **Technologies Used:** C, File Handling, Data Structures

EDUCATION

Bachelor of Technology

Minor in Information Technology · PSNA College of Engineering and Technology · Dindigul · 2026 · CGPA : 7.46

Higher Secondary School

Ponmani Matriculation Higher Secondary School · 2021 · Percentage : 84.3%

Secondary School

Jayaseelan Matriculation Higher Secondary School · 2020 · Percentage : 68.6%

CERTIFICATIONS

PCAP : Programming Essentials in Python

Cisco

Introduction to Data Science

Cisco

JavaScript Essentials

Cisco

Introduction to MongoDB

MongoDB University

Linux Unhatched

Cisco

SKILLS

· **Programming Languages:** C, Java (Core), Python
· **Web Development:** HTML, CSS, JavaScript(basic)
· **Databases:** SQL, MongoDB
· **Data Science & Machine Learning Libraries:** Pandas, NumPy, Scikit-learn, TensorFlow, PyTorch

- **Data Visualization:** Matplotlib
- **Version Control:** Git