

POOJA SHREE S J

Chennai • +91 8072530736 • poojashree.vecce@gmail.com

SUMMARY

Enthusiastic and quick-to-adapt Computer Science and Engineering student with a natural ability to grasp new concepts and technologies efficiently. Passionate about creating innovative solutions that bridge the gap between technology and user needs. A proactive team contributor with strong interpersonal skills, capable of fostering collaboration and driving projects forward. Eager to apply foundational technical knowledge and a problem-solving mindset to develop impactful, cutting-edge solutions in a professional-setting.

WORK EXPERIENCE

Machine Learning Intern, TamrielAGI Inc.**July 2024 – December 2024**

Interned as a Machine Learning Engineer, specializing in Generative AI and Retrieval-Augmented Generation (RAG) technologies. Proficient in leveraging Google Cloud Platform (GCP) tools like Vertex AI, Cloud Run, and LangChain for building scalable, AI-driven solutions. Experienced in designing end-to-end pipelines for document processing, semantic search, and response generation. Skilled in Python, embedding models and deploying cloud – native applications. Developed a GCP Native Q&A Chatbot to handle Customer Service domain-specific queries.

EDUCATION

B.E in Computer Science Engineering	2022 - 2026
Velammal Engineering College, Chennai	8.23 CGPA
HIGHER SECONDARY (XII)	2021 - 2022
Velammal Vidhyashram, Chennai	68.8%
SECONDARY (X)	2019 - 2020
Velammal Vidhyashram, Chennai	80.8%

PROGRAMMING SKILLS

- Python (Intermediate)
- HTML, CSS, JavaScript (Basic)
- C, C++ (Intermediate)
- MySQL (Basic)

AREA OF INTEREST

- Data Science and Analytics
- Generative AI
- Full Stack Development

PROJECTS

- DERMAI:** Automated Skin Disease Diagnosis using TensorFlow CNN-DNN.
- Organ Donation and Procurement Network Management Application:** A web-based application for managing organ donation and procurement by matching donors with recipients based on organ compatibility and urgency.

- **Customer Service FAQ (Internship):** Developed a system to handle user queries efficiently.
- **Legal Document Analyzer:** A Legal Document Analyzer that processes legal texts, generates vector embeddings using OpenAI, stores them in Pinecone, and enables efficient semantic search and retrieval for legal insights.
- **Gatekeeper:** Door Monitoring System using ESP32 and Micro Python.
- **Virtual Queue Management System:** Efficiently organizes and automates queue management for theatres, hospitals, and hotels, enhancing user convenience and reducing wait times.
- **Secure Code Generator:** A web app that analyzes code for security vulnerabilities and suggests safe versions using AI.

More projects on GitHub: <https://github.com/Poojashree064>

CERTIFICATIONS

- Python for Machine Learning & Data Science Masterclass – Coursera
 - Generative AI with Large Language Mode – Coursera
 - Introduction to Generative AI – Google SkillBoost
 - Generative AI for Developers – Google SkillBoost
-

TRAINING AND WORKSHOPS

- **Inplant Training:** Data Science & Machine Learning, Arjun Vision Tech.
 - Completed a value-added course in “**Embedded system development for IOT applications using ESP Microcontroller**” at Velammal Engineering College.
 - **Workshops:** Power BI, GenAI Evolution.
 - Participated in the “**INTERNATIONAL KANI TAMIL’ 24 CONFERENCE**” organized by Government of Tamil Nadu.
 - Participated in **CODHER’ 25**, a National-level Inter-College 24-hour Hackathon conducted by Anna University, Chennai.
-

DECLARATION

I hereby declare that all the information given above is true and correct to the best of my knowledge.