Jerin R

9486282427 | carlojerin01@gmail.com | Thoothukudi, Tamil Nadu
https://github.com/carlojerin | https://www.linkedin.com/in/jerin-r-b28b18406

PROFILE

Computer Science graduate with a completed 3-month AI/ML course and hands-on experience in machine learning with scikit-learn and in building LLM-powered web applications with Python, FastAPI and Flask. Seeking an entry-level AI/ML role.

EDUCATION

Bachelor of Science in Computer Science 2026
(Nazareth Margoschis College At Pillayanmanai) | 68.4%

Higher Secondary Certificate 2022
Tamil Nadu State Board | 63.5%

Secondary School Leaving Certificate (SSLC) 2020
Tamil Nadu State Board | 65.4%

TRAINING

AI / Machine Learning Course
Completed a 3-month AI / Machine Learning course at Dhatchan Academy, Palayamkottai, Tirunelveli.

PROJECTS

HireFlow AI
Python, FastAPI, SQLAlchemy, SQLite, Gemini API, Docker, HTML, CSS, Bootstrap, JavaScript

- Built an AI-powered recruitment automation platform that analyses resumes against a job description using the Gemini LLM.
- Automated candidate-specific assessments and AI interview questions on a FastAPI and SQLAlchemy backend.
- Built a Docker sandbox that runs candidates' code securely on the server during programming assessments, with 13+ languages as container images.

Python Mini Projects
Python, OpenCV, face_recognition, MediaPipe, Tkinter, CustomTkinter, pyttsx3

- Built a real-time face recognition program with OpenCV and the face_recognition library that detects human faces from a webcam and identifies a known person; also detected and counted faces in photos with MediaPipe and Haar cascades.
- Built 12 small Python apps, most with Tkinter interfaces, including a to-do app, expense tracker and quiz application, plus a text-to-speech app with CustomTkinter and pyttsx3.

AI Medical Receptionist System *Final Year Project*
HTML, CSS, JavaScript, Python (Flask), SQLite, Gemini API

- Built a full-stack web app where patients book appointments through a Gemini-powered AI chatbot.
- Added secure logins for patients and clinic owners, plus an owner dashboard to manage bookings.

Library Management System
HTML, CSS, Python, SQLite

- Developed a system to track book records, issues and returns.
- Built a simple interface for librarians to manage inventory and members.

SKILLS

Programming	Python
ML libraries	scikit-learn, NumPy, Pandas, Matplotlib, mlxtend
ML algorithms	Linear Regression, Logistic Regression, Decision Trees, K-Means clustering, Apriori
ML workflow	Data cleaning, train/test split, model evaluation, saving models (pickle, joblib)
Computer vision	OpenCV, MediaPipe, face_recognition
LLM / Generative AI	Gemini API, OpenAI API, Groq API, LLM-based resume analysis, AI assessment and interview generation
Tools	Docker, Claude AI (prompt engineering, AI-assisted development)
Other	Problem Solving, Team Collaboration, Fast Learner