RITHESH VANJARI

+91 8965049666 — Email — LinkedIn — GitHub — Leetcode — Hackerrank — GeeksForGeeks — Codolio

EDUCATION

B.Tech. in Artificial Intelligence and Machine Learning, Amity University 2022 - 2026
CGPA: 9.08

SKILLS

Languages	JavaScript, Python
Backend	Node.js, Express.js, Flask
Frontend	React.js, HTML5, CSS3
Databases	MongoDB, PostgreSQL
AI/ML	NumPy, Pandas, Matplotlib, Scikit-Learn, TensorFlow/Keras
Developer Tools	Git, GitHub, CI/CD fundamentals, Command Line

EXPERIENCE

Backend Developer Intern April 2025 - June 2025
Navariti Innovation *Remote*

- Contributed to a **Flask**-based web application by adding new features and enhancing the existing backend logic.
- Implemented backend services using Flask, fetching results via **API endpoints**, and integrating with **MongoDB** for data storage and retrieval.

PERSONAL PROJECTS

AI Resume Analysis & Job Match Platform *React.js, Express.js, Node.js, MongoDB, OpenAI API* Link

- Designed and developed a full-stack MERN application that analyzes uploaded resumes to identify skill gaps based on selected job roles.
- Built secure RESTful APIs using Express.js and MongoDB with JWT-based authentication and role-based access control.
- Integrated AI-powered resume parsing and built a protected React dashboard to display personalized skill-gap insights and learning roadmaps.
- Implemented input validation and structured backend using MVC architecture.

Enterprise Knowledge Assistant *React.js, Flask, SQLite, LangChain, Gemini API, FAISS (Vector DB)* Link

- Built an AI-powered knowledge assistant using a Retrieval-Augmented Generation (RAG) architecture to answer queries from private documents.
- Implemented document ingestion, embedding generation, and semantic retrieval pipeline using transformer-based embeddings and FAISS.
- Integrated Gemini API via LangChain and secured the system with JWT-based role-level access control using a modular Flask backend and React frontend.
- Improved response accuracy through optimized similarity search and filtering.

Skin Disease Classification System *Python, TensorFlow/Keras, Flask* Link

- Designed and trained a CNN-based deep learning model using TensorFlow/Keras to classify common skin diseases from medical images.
- Performed image preprocessing, model evaluation, and optimization to improve prediction accuracy.
- Developed a Flask web application enabling image uploads, real-time predictions, and preventive care insights.