

ANKIT PORWAL

ankitporwal4403@gmail.com | +91 99509 64336 | Gurugram, India
linkedin.com/in/ankitporwal04 | github.com/AnkitPorwal04

SUMMARY

Software Engineer building infrastructure for frontier AI systems, specializing in LLM evaluation, agentic coding workflows, benchmark engineering, and automated quality assurance. Experienced in leading cross-functional AI initiatives that deliver reproducible, scalable, production-ready platforms.

EXPERIENCE

Ethara.ai (formerly Green Rider Technologies)

December 2024 – Present

Software Engineer

Gurugram, India

- Led a team building a reproducible, sandboxed evaluation platform for benchmarking frontier AI coding models on real GitHub issue resolution across 8+ programming languages.
- Built the quality assurance framework for the benchmark, automatically validating solutions, detecting data contamination, and ensuring reliable, production-ready evaluation results.
- Designed evaluation pipelines and agentic coding workflows that execute, verify, and score model-generated solutions through automated testing and deterministic benchmarks.
- Architected AI workflows that transform large codebase changes into structured technical plans, enabling high-quality code generation and autonomous task execution.
- Developed and evaluated AI-powered developer tools, contributing to coding assistants, UI generation systems, and interactive inference workflows for enterprise LLM products.
- Designed prompts and curated datasets for training and evaluating multimodal foundation models across code generation, image synthesis, and tool-augmented AI tasks.

PROJECTS

Smart LLM Router

Python · FastAPI · React · TypeScript · Tailwind CSS · Gemini API

- Built an intelligent LLM routing system that directs user queries to the most appropriate AI model based on query complexity, optimizing inference cost, latency, and response quality.
- Designed a heuristic routing engine with automated fallback, real-time monitoring dashboards, and provider-agnostic support for multiple LLM APIs, backed by a comprehensive test suite.

ImaginAI

React.js · Flask · Stable Diffusion · Hugging Face · Firebase

- Built a full-stack AI image generation platform integrating Stable Diffusion and Hugging Face models for prompt-driven image synthesis through an interactive web application.
- Developed scalable backend APIs, authentication, image management, and asynchronous inference workflows to deliver a responsive user experience.

RAG App

Python · LangChain · FAISS · OpenAI · Streamlit

- Built a retrieval-augmented generation (RAG) application that combines semantic search with LLM reasoning to answer questions over custom document collections.
- Developed scalable document ingestion, vector indexing, retrieval pipelines, and an interactive chat interface for efficient, context-aware responses.

Self-Drive Guardian

Python · YOLO · OpenCV · TensorFlow

- Developed a real-time driver monitoring system using computer vision to detect drowsiness and improve road safety through intelligent alert mechanisms.
- Built an end-to-end inference pipeline optimized for low-latency detection using YOLO-based object detection and deep learning models.

SKILLS

Languages: Python, C++, Java, TypeScript
AI & ML: LLMs, Agentic AI, LLM Evaluation, Benchmark Engineering, Machine Learning, Deep Learning, Computer Vision, NLP
Frameworks: FastAPI, Flask, React.js, Next.js, LangChain, TensorFlow, PyTorch
Tools: Git, Docker, Linux, AWS, Firebase
Core Domains: AI Infrastructure, Agentic Systems, AI Benchmarking, Full-Stack AI Applications

ACHIEVEMENTS

- Published “Real Reveal: Deepfake Video Detection using CNN and Feature Analysis” in IJRSET, 2025.
- Oracle Generative AI Certified Professional · Machine Learning Specialization, DeepLearning.AI (Coursera) · Software Engineering Elite Certificate, NPTEL.
- Solved 400+ algorithmic problems on LeetCode, strengthening expertise in data structures and algorithms.

EDUCATION

Parul University	2021 – 2025
<i>Bachelor of Technology in Computer Science & Engineering (AI)</i>	<i>CGPA: 8.99 / 10</i>