

GARVIT NAMA

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CAREER OBJECTIVE

AI & ML engineer with production experience building multi-agent LLM systems, deep learning models, and scalable GenAI pipelines. Published researcher (Quantum GAN) with a strong systems foundation — seeking to contribute to applied AI/ML engineering at a high-impact technology company.

EDUCATION

Chandigarh University, Mohali, Punjab

Aug 2023 – May 2027

B.E. Computer Science & Engineering — Specialization: Artificial Intelligence & Machine Learning | CGPA: 7.2/10 (till Sem 6)

Relevant Coursework: Machine Learning, Deep Learning, Data Structures & Algorithms, Operating Systems, DBMS, Computer Networks, Software Engineering

TECHNICAL SKILLS

AI / ML: Large Language Models (LLMs), Generative AI, Multi-agent Orchestration, RAG, NLP, Agentic AI, Deep Learning, CNNs, GANs, Quantum ML

Frameworks & Libraries: LangChain, LangGraph, TensorFlow, PyTorch, Keras, Flask, React, Next.js, Node.js (MERN)

Languages: Python, Java, C++, JavaScript, MySQL

Systems & Infra: Distributed Systems, Concurrency & Multi-threading, REST APIs, SSE Streaming, Synchronization, Data Engineering, Embeddings, Vector Search, AWS

Developer Tools: Git, GitHub, VS Code, Postman, Google Colab, Jupyter Notebook, Ollama (local LLM inference), PennyLane

EXPERIENCE

CRUD Studio — Data Analyst Intern

May 2025 – Jul 2025

- Built an interactive Excel sales dashboard on Superstore data (9,000+ rows) to track revenue by region, segment, and category, improving sales visibility.
- Surfaced key trends showing the Consumer segment drove the highest sales volume, informing stock allocation and category-level focus for the team.

PROJECTS

[HireEdge — Agentic AI Recruitment Platform](#)

May 2026

LangChain · Groq LLaMA 3.3 70B · Flask · React · Multi-agent

- Designed and deployed a 6-agent LLM pipeline orchestrating parallel inference with LangChain + Groq LLaMA 3.3 70B, with stateful context propagation across agents and fault-tolerant execution under variable latency — delivering full candidate outreach strategy in under 60 seconds.
- Engineered a production-grade multi-threaded REST API (Flask + Waitress, 4-worker concurrent server) with real-time SSE streaming, synchronized agent output handling, and a custom LLM response post-processing pipeline that eliminated 100% of formatting artifacts.
- Applied prompt engineering and agent chaining strategies to coordinate specialized agents (resume parsing, profile matching, message generation, scoring) — demonstrating end-to-end GenAI system design from ingestion to structured output.

Flames.neo — Multi-Model GenAI Inference Platform

Nov 2025

MERN Stack · OpenAI · Gemini · Claude · OAuth 2.0

- Architected a scalable GenAI platform enabling concurrent multi-model inference across OpenAI, Gemini, and Claude with secure API key management, thread-safe session-based context persistence, and real-time streaming response handling.
- Built a production React frontend with Google OAuth 2.0 authentication, optimized state management, and lazy loading — achieving a 20% improvement in perceived performance and seamless real-time LLM chat UX.

Brain Tumor Detection — Medical Deep Learning Classifier

May 2025

Python · CNN · TensorFlow/Keras · Medical Imaging

- Designed and trained a multi-block CNN classifier from scratch (stacked Conv2D + MaxPooling2D + Dropout layers) on 7,022 MRI scans, achieving 92% test accuracy and a 0.91 weighted F1-score across four tumor classes (Glioma, Meningioma, Pituitary, No Tumor).
- Evaluated performance beyond accuracy using confusion matrix analysis and per-class precision/recall — strongest on the No Tumor and Pituitary classes (95-97% precision), and identified Meningioma as the hardest class to distinguish (78% recall), pointing to it as the clear next target for improvement.

[Quantum GAN for Image Generation \(Published Research\)](#)

Jun 2024

TensorFlow · Quantum ML

- Designed and implemented a Quantum Generative Adversarial Network (QuGAN) for image synthesis on FashionMNIST and Numeric MNIST, leveraging quantum circuit entanglement and superposition to outperform classical GAN baselines in output quality and sample diversity.
- Achieved 0.50 Discriminator Loss and 0.98 Generator Loss at epoch 90 — establishing novel benchmarks for quantum-classical hybrid image generation; work accepted and published as a research paper.

ACHIEVEMENTS & LEADERSHIP

- Published Researcher & Patent Holder** — Research paper on Quantum GAN image generation accepted for publication. Patent filed (Application No. 202511122586, filed 05/12/2025): "Chess Crypt: A Secure Chess-Based Steganography Framework" — Published 23/01/2026 under Chandigarh University.
- Vice Chairperson, IEEE Consumer Technology Society** — Led technical chapter events and cross-team initiatives.
- 2nd Runner-up, Ideat-a-thon '25** — National startup pitching competition.
- Hackathon Participant:** Smart India Hackathon (SIH), NASA Space Apps Challenge, ICP Hashmine.
- Competitive Excellence:** Zonal Rank 3, SOF Cyber Olympiad; led school Gladiator House to 1st place in academics.