Md Javeed Khan

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Summary

Software Engineer (2026 graduate, CGPA 9.16/10) with hands-on internship experience building, testing, and deploying production-ready applications in Python, Java, and JavaScript. Strong foundation in Data Structures & Algorithms, Object-Oriented Programming, System Design basics, and DBMS. Experienced with REST APIs, backend development (FastAPI, Flask). Applied this foundation to ship HeuriGuard, an AI cybersecurity platform achieving 95% detection accuracy, and a production RAG pipeline for automated document Q&A.

Technical Skills

Languages: Python, Java, JavaScript, C, SQL
CS Fundamentals: Data Structures & Algorithms, OOP, System Design (basics), DBMS, Operating Systems
Frameworks & Tools: HTML, CSS, FastAPI, Flask, REST APIs, LangChain, Git, GitHub, Unit/Integration Testing
ML/AI (applied): TensorFlow, Scikit-learn, NLP, RAG, LLM APIs (OpenAI, Gemini, Groq, Hugging Face)

Experience

Innomatics Research Labs Feb 2026 – May 2026
Agentic AI Intern *Hyderabad, India*

- Engineered RESTful APIs and backend services using FastAPI and Python, fine-tuning BERT models and implementing NLP preprocessing pipelines.
- Developed modular LangChain and LangGraph workflows utilizing prompt engineering techniques, vector databases, and custom decision logic.
- Published technical articles on NLP and agentic AI architectures, documenting modular system designs, debugging strategies, and workflow tracing.

Projects

HeuriGuard – AI Cybersecurity Platform *Python, Flask, ML, NLP, Docker, Render*

- Built a multi-channel threat detection system (URLs, emails, SMS) using TF-IDF, Gradient Boosting, and Naive Bayes, achieving 95% accuracy on a 650k+ record dataset with sub-200ms inference latency.
- Led backend development with modular REST APIs; deployed via Flask on Render with Docker-based release pipeline.
- Won 1st Prize at Sanketika Fest 2026; submitted as a research paper to Springer LNCS (under review).

RAG-Based Customer Support Assistant *Python, LangGraph, ChromaDB, Gemini LLM, FastAPI*

- Orchestrated an automated customer support pipeline using LangGraph and Gemini LLM, achieving accurate, context-aware Q&A with low hallucination over custom PDF knowledge bases.
- Implemented PDF ingestion with text chunking and vector embeddings, leveraging ChromaDB for Top-K similarity search and dynamic context retrieval.
- Engineered a routing decision layer evaluating confidence and context relevance, incorporating Human-in-the-Loop (HITL) escalation for edge cases.

Education

Lords Institute of Engineering & Technology, Hyderabad Nov 2022 – May 2026
B.E., Computer Science & Engineering – CGPA: 9.16/10

Certifications & Achievements

- 1st Prize, Sanketika Fest 2026 (HeuriGuard) | 3rd Place, IGNITE HACK 2024 (50+ teams)
- Silver Medalist, Annual College Cricket Tournament
- Career Essentials in Generative AI – Microsoft & LinkedIn Learning | Prompt Engineering – IBM