

Khushal Narsaria

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EDUCATION

B.Tech, CSE (AI/ML) | CGPA: 8.81/10 | SRM Institute of Science and Technology | 2023 - 2027
Class XII, AP Board (MPC) | 81.2% | Sri Chaitanya Jr College, Visakhapatnam | 2023
Class X, CBSE | 70% | Sanskruthi Global School, Visakhapatnam | 2021

EXPERIENCE

YegamAI Jan 2026 - Mar 2026
AI Intern (AI Internship Pathway)

- Delivered applied AI and software development tasks in YegamAI's selective AI internship pathway.
- Programmed, debugged and tested AI features in Python, collaborating with the YegamAI mentors.
- Introduced test sets, accuracy tracking and automated tests to my internship tasks.

Emoolar Technology Pvt Ltd May 2025 - Jul 2025
Data Engineering Intern

- Wrote automation scripts that validate migrated data, replacing manual checks and protecting data integrity.
- Engineered backend data pipelines in Python and C++ to transform and migrate structured datasets.
- Optimised PostgreSQL with indexing and normalisation: 40% faster queries on high-traffic tables.
- Documented every technical change and worked in a 5-person agile team (Git, Jira).

PROJECTS

Medicare Fraud Detection (Healthcare) | *Python, scikit-learn, FastAPI, LLMs* [GitHub](#) | [Live Demo](#)

- Ranked 1.1M Medicare prescribers for review from CMS data, tested against later OIG exclusions.
- Reached 0.86 ROC AUC; the top 1% of the list found 21 of 86 later-excluded prescribers (24x random).
- Generated LLM analyst notes checked by code; FastAPI and an in-browser scoring form; 8 tests in CI.

Text-to-SQL Assistant + Retail Analytics | *Python, SQL, LLMs, FastAPI* [GitHub](#) | [Live Demo](#)

- Built an AI assistant that turns plain-English questions into SQL over 1M+ retail transactions.
- Tuned few-shot prompts and added 3-model voting: accuracy rose from 47% to 73% on 70 questions.
- Guarded model-written queries as read-only; served answers via FastAPI with a live dashboard.

RAG Document QA: Responsible AI | *Python, FAISS, BM25, LLMs* [GitHub](#) | [Live Demo](#)

- Implemented a RAG service over 48 documents that answers only from retrieved passages, with citations.
- Redacted keys and personal data before logging and tested 6 prompt-injection attacks.
- Retrieved the right passage in the top 10 for 95.3% of 10,570 questions; 18 tests in CI.

Inventory & Order Management System (.NET) | *C#, ASP.NET Core, SQL Server* [GitHub](#) | [Live Page](#)

- Developed a warehouse and order system on .NET: sales and purchase orders, returns and stock reports.
- Structured it with Clean Architecture, CQRS and the Repository pattern, with FluentValidation.
- Secured access with ASP.NET Identity + JWT roles; Serilog logging traces every request.

TECHNICAL SKILLS

- Languages:** Python, C#, .NET, Java, SQL, C, C++
- AI & ML:** Artificial intelligence, machine learning, Large Language Models (LLMs), RAG, text-to-SQL
- AI engineering:** LLM APIs, prompts, AI agents, gradient boosting, model deployment, AI workflows
- Responsible AI:** Compliant AI use, PII redaction, fairness checks, prompt-injection defence, guardrails
- Software engineering:** ASP.NET Core framework, scalable REST APIs, system design, unit testing
- Cloud & DevOps:** AWS, Azure, GCP, Docker, Git, continuous delivery (GitHub Actions CI/CD)
- Data & Agile:** SQL analysis, insights, dashboards; Scrum, Kanban, Jira, documentation, communication

CERTIFICATIONS & ACHIEVEMENTS

- Azure AI Fundamentals (AI-900), Microsoft
- AWS Certified Developer - Associate
- OCI Generative AI, Oracle
- Databricks Generative AI Fundamentals
- Oracle Certified Professional: MySQL 8.0
- Power BI Data Analyst (PL-300), Microsoft
- Codefest Hackathon (SRM IST): 2nd Place
- Azure Fundamentals (AZ-900), Microsoft