Parakh Chaudhary

Bhopal – India

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Education

Maulana Azad National Institute of Technology, Bhopal, MP   *Expected July 2025*
Master of Technology in Advanced Computing (*Computer Science & Engineering*)   *GPA:* 8.77/10
Courses : Deep Learning, Optimization Techniques, NLP, Information Retrieval, LLMs

MS Ramaiah University of Applied Sciences, Bangalore, KA   *August 2021*
Bachelor of Technology in Computer Science & Engineering
Courses : Algorithms, Distributed Systems, Data Structures, DBMS, Computer Networking (TCP/IP)

Skills

- **Programming:** Python, SQL, Java, PostgreSQL, SpringBoot, HTML/CSS, Selenium, UNIX / Linux, Kubernetes, Git
- **Tools:** FastAPI, NodeJS, ReactJS, AWS, Azure, Docker, MongoDB, LLMs (Prompt Engineering, RAG, Fine Tuning, Guardrails)

Experience

Capgemini Technology Services India
Software Engineer   *Aug 2021 - Dec 2022*

- Completed enterprise-level training across Java, Cloud, and DevOps
- Ranked first in a nationwide training cohort across Java, Cloud, and DevOps technologies.
- Built internal proof-of-concepts and sandbox environments for exploring cloud-native solutions.
- Gained a strong foundation in enterprise tech stack
- **Technology Stack** Java, JUNIT, Jenkins, Database, DevOps, SpringBoot, AWS, Kubernetes, Azure, Agile/Srum

Kratin Software Solutions
Data Science Intern   *Feb 2021 - Aug 2021*

- Performing Time-Series Analysis of historical data to identify trends, seasonality and use them for predicting future demand elements such as number of admissions, number of discharges etc. for end of life patients.
- Involved data ingestion, evaluating model performance, fine-tuning, & communicating with stakeholders to understand requirements and align with business objectives.
- **Technology Stack** Deep Learning, Machine Learning, Python, Data Visualization, Stakeholder Management

Projects

Hiring Test Recommendation System - Hosted on Streamlit   *May 2025*
LLM Powered Product Recommendation for SHL Assessments

- An end-to-end recommendation system that maps natural language job descriptions to relevant SHL assessments using Web Scraping, OpenAI embeddings and semantic similarity.
- Deployed full-stack system w/ Streamlit frontend and FastAPI backend (Dockerized and hosted via Azure and Streamlit Cloud).
- Technology Python, FastAPI, Streamlit, Docker, Azure, Selenium, LLM, BeautifulSoup

QueryGenie — Natural Language to SQL Application   *Apr 2025*
Natural Language to SQL

- Full-stack application that translates natural language queries into SQL, executes them on a live DB, and returns results to a React frontend.
- Technology Stack: Express.js, Node.js, PostgreSQL, Gemini API

Achievements & Certifications

- Published findings in an accepted research paper titled "Enhancing QA Precision of Black Box LLMs using response refinement & keyword incorporation"
- **Ranked first** in my training batch at Capgemini, showcasing my adaptability and quick learning ability across diverse technologies and concepts.
- **Ranked Fourth** in the Samadhan 1.0 AI Chatbot Hackathon, Built an LLM-powered medical chatbot with intelligent guardrails over a 24-hour period.
- Solved **over 400** problems on LeetCode, achieving a peak rating of **1600**
- **Microsoft Azure** Certified Azure Developer Associate

Freelance

Virtual 3D Tours   *Ongoing*
Custom Interactable Virtual Tours for Hotels, Villas & Resorts

- I create custom 3D Tours for Hotels and Resorts using the KRPano software + XML / HTML
- Sample Work - The Vincent Inn, Bhopal, Villa Anilam, Jaipur