Nagmani Kumar

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EDUCATION

Sitare University with SRMU, Lucknow   Course Completion - 2025
Bachelor of Technology in Computer Science and Engineering

Jawahar Navodaya Vidyalaya and Dakshana Foundation, Bengaluru   Oct'15 – Aug'22
10th: 94.4 %, 12th: 91.6 % (PCM), IIT JEE 2022: 96.5 Percentile

EXPERIENCE

Software Testing Intern | Beans.ai   Jun'23 – Aug'23

- Conducted comprehensive manual and automated testing for the Beansroute Mobile App and Web Console, enhanced Python-based automation to streamline quality assurance.
- Technologies Utilized: Python and its Library, Django, MySQL, Git and GitHub, GIS Technology.

Software Engineering Intern | MeshWorks   May'24 – Aug'24

- Enhanced software by resolving over 100 bugs, improved code efficiency, and added new features such as an Editor and Tooltip for better customer assistance.
- Developed a Hugging Face-based assistant to familiarize new joiners with key processes and information.

Data Analysis Intern | NOQS Digital Pvt. Ltd.   Apr'23 – Jun'23

- Utilized statistical methods and automation tools to analyze data, generated business insights, identified customer trends and prepared detailed performance dashboards for the founder.
- Technologies Utilized: Python and its Library, Google Workspace, MySQL, Git, and GitHub.

PROJECTS

RAG Pipeline: Enhancing Mental Health Support ☑*

- Developed a RAG pipeline using DSM-5 and The Body Keeps the Score, improving answer accuracy by 30%.
- Processed 500k+ characters of text, leveraging chunking and BioBERT embeddings for 40% better retrieval efficiency.
- Optimized embedding storage in ChromaDB with HNSW indexing and BM25, cutting retrieval latency by 25%.
- Technologies Utilized: Python, Langchain, Streamlit, LLMs, Pandas, Numpy, Matplotlib, Scikit-learn, Pytorch

ChurnInsightHub: Customer Churn Prediction and Insights Tool ☑*

- Developed a web application to predict customer churn and visualize actionable insights to improve retention strategies.
- Technologies Utilized: Python, Flask, Pandas, Matplotlib, Imblearn, Scikit-learn.

BiteBase: Scraping and Detecting Fake News (Runner-up in a Hackathon) ☑*

- Created a Django-based web application providing real-time information from various trusted sources, Features include contests, hackathons, job listings, and breaking news updates.
- Technologies Utilized: HTML, CSS/Bootstrap, JS, Python, Django, Web Crawling, Data Cleaning, SQL, ML.

TECHNICAL SKILLS

- **Programming Languages:** Python(Expert), Java, JavaScript.
- **Python Libraries:** NumPy, Pandas, Matplotlib, PyTorch, Scikit-learn, Langchain, Streamlit.
- **Platforms/Tools:** Linux (Ubuntu), Git and GitHub, Microsoft Azure DevOps, Visual Studio.
- **Core Courses:** Linear Algebra, Probability, Classical AI, ML, DL, Search Engine & Information Retrieval.

ACHIEVEMENTS/SCHOLARSHIPS

- Awarded a 100% scholarship for B.Tech-CSE at Sitare University.
- Got Letter of Recommendation by Founder and CEO of NOQs Digital Pvt. Ltd.
- Achieved a maximum contest rating of **1552** and solved **150+** problems on Leetcode.
- Made **20+** Pull Requests and **1000+** contributions across various repositories on GitHub.

EXTRACURRICULAR ACTIVITIES

- Secretary of Startup and Business Club at Sitare University.
- College Representative and Center Head for JDST/NDST, Dakshana Foundation.
- Create Content on LinkedIn by sharing insights on Scholarships, Internships, and News with **15k+** Followers.