Ravi Kant – Resume

Profile

AI/ML Engineer and Full-Stack Developer with hands-on experience in LLM prototyping, Retrieval-Augmented Generation (RAG), automation workflows, backend engineering, and end-to-end data pipelines. Skilled in Python, FastAPI/Flask, microservices, Redis, Celery, and front-end tools.

Education

- 2021–Present: B.S. in Data Science & Applications – IIT Madras (CGPA: 7.3)
- 2019–2021: Higher Secondary – Don Bosco Academy, Patna (82%)
- 2019: Secondary School – Gems English School, Rohtas (85%)

Technical Skills

Languages: JavaScript, TypeScript, Python, Java, SQL

Frontend: React.js, Vue.js, Next.js (basics)

Backend: FastAPI, Flask, Node.js, REST APIs, JWT, RBAC, Microservices

Databases: SQLite, MySQL, Redis

AI / ML: LLMs, RAG, LangChain, OpenAI API, scikit-learn, pandas, NumPy, FAISS/Chroma

DevOps: Git, Docker, Azure, Vercel, CI/CD basics

Other: Excel, Shell scripting, Basic unit testing

Selected Projects

- Quiz Master V2 – Full-Stack Exam App

Technologies: Flask • Vue.js • SQLite • Redis • Celery

  - Built a scalable platform with JWT auth and RBAC.
  - Implemented Redis + Celery for reminders, reports, CSV exports.
  - Optimized performance with caching & async tasks.

- RAG + LLM Engineering – AI Automation Tools

Technologies: FastAPI • LangChain • OpenAI

- Built retrieval-augmented generation (RAG) pipelines.
- Implemented embeddings, vector indexing, semantic search.

- Tools in Data Science Project

Technologies: Python • SQL • pandas

- Automated ETL, analysis, dashboards.
- Score: 80/100.

- Control Systems Simulations

Technologies: MATLAB • Simulink • Python

- Designed lead/lag compensators, Bode & Nyquist plots.

Experience

- Data Analyst Intern – Infotech (2024, Remote)

  - Conducted market and user research.
  - Automated data cleaning using Python + SQL.

- Vocational Trainee – Team Project (2023)

  - Assisted in documentation, planning, and implementation.

Extracurricular

Leadership: Deputy Secretary, Sundarbans House

Sports: Cricket — teamwork and strategic thinking

Additional Information

Available for Internship; can convert to full-time.