Ravi Kant – Resume

Profile

Software Development Engineer (SDE) Intern candidate with strong foundations in Data Structures & Algorithms (DSA), backend engineering, and full-stack development. Experienced in building production-grade systems, LLM-based tools, and scalable microservices. Skilled in Python, JavaScript, FastAPI/Flask, and modern development workflows. Eager to contribute to real-world engineering projects at Springworks.

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: Python, JavaScript, TypeScript, 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, CI/CD basics, Azure, Vercel

Other: Shell scripting, Excel, 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 authentication and RBAC.

- Implemented Redis + Celery for reminders, reports, and 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, and semantic search.

• Tools in Data Science Project

Technologies: Python • SQL • pandas

- Automated ETL, analysis, and 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 & user research.

- Automated data cleaning workflows using Python + SQL.

• Vocational Trainee – Team Project (2023)

- Assisted in documentation, planning, and implementation.

Additional Information

• Strong fundamentals in DSA; proficient in Python/Java/JavaScript

• Available for full-time 6-month remote internship

• Leadership: Deputy Secretary, Sundarbans House

• Sports: Cricket — teamwork & strategic thinking