



RAJ PATEL

Roll No.:2411MC10
Master of Technology
Mathematics and Computing
Indian Institute Of Technology, Patna

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EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
M.Tech. (MnC)	Indian Institute of Technology, Patna	89.4%	2024-Present
B.Tech. (CSE)	Central University of Haryana, Haryana	80.05%	2018-2022
Senior Secondary	UP Board	82.6%	2017
Secondary	UP Board	89.5%	2015

SUMMARY

Engineer with 2+ years of experience in software development and backend systems, combined with focused postgraduate studies in AI, machine learning, and optimization. Skilled in building intelligent, efficient, and secure solutions for large-scale applications.

EXPERIENCE (2 YEARS)

- Sopra Steria** *July 2022 - July 2024*
Software Engineer *Noida*
 - Worked for the ISOCEL tech team on a B2B application named Alice.com, owned by a French e-commerce company.
 - Developed and managed RESTful APIs for application modules such as commerce, billing, taxes, stocks, and inventory, including handling exchange and batch processes for scheduled actions and events.
 - Implemented a Domain-Driven Design (DDD) architecture using Java Spring Boot, and collaborated with database and production teams to create micro DB dumps, manage environments, and deliver new requirements.
 - **Tools & technologies used:** Java, JavaScript, HTML, CSS, ReactJS, SpringBoot, Hibernate, Git, Gitlab, Maven, JUnit, MySQL, Postman, IntelliJ IDEA and VS Code.

PROJECTS

- Learning Resource Management System for Institute.**
Developing a web-based LMS for institutes to manage different course resources, students, assignments, and performance reports, with learner and teacher dashboards.
 - **Tools & technologies used:** ReactJS, FastAPI, MySQL, Git, Github workflows, Render (cloud deployment).
 - Source Code - frontend, Backend
- Samvaad - AI Chatbot using LLM and RAG**
AI chatbot using open-source LLMs to retrieve information from documents with Retrieval-Augmented Generation (RAG).
 - **Tools & technologies used:** Python, LangChain, OpenAI GPT, Pinecone vector db, Hugging Face Models
 - Source Code, Github

KEY COURSES TAKEN

- Data Structures, Algorithms, DBMS, Operating System, Software Engineering and Large Language Models.

TECHNICAL SKILLS

- **Programming:** C++, Java, Python, SQL
- **Tools & OS:** Git, Github, Linux
- **API & Backend:** REST API, SpringBoot, Hibernate, Maven, JUnit.
- **Libraries/Frameworks:** ReactJS, Bootstrap, Framer Motion, PyTorch, Hugging Face Transformers

POSITIONS OF RESPONSIBILITY

- **Placement Head Coordinator**, Centre for Career Development and Counseling, IIT Patna. *June 2025 — Present*
- **Coordinator of Volunteers**, Inter IIT Cult Meet 7.0 organised by IIT Patna. *Dec 2024 — Dec 2024*
- **Founder and Mentor**, Bytecode Learners - official coding club of CUH. *Nov 2018 — June 2022*
- **Technical Team Lead**, International Conference on Industrial Trends in Computing. *Nov 2019 — Nov 2019*

ACHIEVEMENTS

- **Graduate Aptitude Test in Engineering (GATE)** Qualified in Computer Science with 96.7 percentile. *2024*
- **Knight in Leetcode** with 662+ problems solved, Username - rajpatel2619
- **3 star in Codechef** max rating: 1737, Username - rajpatel2619
- **Pupil in Codeforces** max rating: 1208, Username - rajpatel2619
- **National Talent Search Examination (NTSE)** qualified