



RAJAT KUMAR

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SUMMARY

Passionate AI and Machine Learning specialist with strong problem-solving skills and enthusiasm for developing innovative, scalable solutions. Skilled in designing and implementing intelligent systems that address complex challenges. Committed to continuous learning and applying cutting-edge technologies to create impactful applications. Certified in critical analysis and database design with demonstrated ability to transform ideas into practical implementations.

EDUCATION

Chandigarh Group of College, Jhanjeri, Punjab	<i>09/2022-Present</i>
<i>B.Tech in Artificial Intelligence & Machine Learning — CGPA: 8.7</i>	
◦ Relevant Coursework: Data Structures, Cloud Computing, NLP, Distributed Systems	
Shiv Shiksha Niketan Sr Sec School, Sanghan	<i>2021</i>
<i>Senior Secondary (Non-Medical) — 96.6%</i>	
Shiv Shiksha Niketan Sr Sec School, Sanghan	<i>2019</i>
<i>Secondary Education — 86.8%</i>	

PROJECTS

AI-Powered Career Advisor (Python/Flask)	<i>2023</i>
◦ NLP system providing personalized career recommendations with 85% accuracy	
◦ Integrated LinkedIn API for real-time skill gap analysis	
Weather Forecasting System (React/OpenWeatherAPI)	<i>2023</i>
◦ Real-time weather predictions for 200+ cities	
◦ Reduced API response time by 35%	
NLP Customer Support Chatbot (TensorFlow)	<i>2024</i>
◦ Achieved 91% accuracy in query resolution	
◦ Handled 500+ daily queries with sentiment analysis	
Smart Finance Tracker (Python/Django)	<i>2023</i>
◦ Budget prediction system with 88% accuracy	
◦ Integrated SMS alerts for expense thresholds	
MARS Rover Control System (C++/Bluetooth)	<i>2022</i>
◦ Designed low-latency communication protocol (98% efficiency)	
◦ Implemented obstacle avoidance algorithms using sensor fusion	

INTERNSHIPS

ACMEGRADE — AI Research Trainee	<i>07/2024-08/2024</i>
◦ Developed NLP models for sentiment analysis with 92% accuracy	
◦ Automated data pipelines using Python, reducing processing time by 40%	
◦ Collaborated on AI-powered recommendation systems	

- Developed 5+ web applications using MERN stack, improving user engagement by 40%
- Integrated Payment Gateway and Google Maps APIs, reducing checkout time by 25%

SKILLS

Programming Languages

- Python, Java, C, C++, SQL

Web Technologies

- **Frontend:** React, HTML5, CSS3, AJAX, Chart.js
- **Backend:** Node.js, Express, Flask, Django, JavaScript (ES6+)

Databases

- MongoDB, Oracle, SQL Server

Tools & Platforms

- AWS EC2, Git, Postman, TensorFlow, Tableau

Concepts

- REST APIs, CI/CD, Agile Development, Data Modeling, Machine Learning

Soft Skills

- Problem Solving & Critical Thinking
- Team Collaboration & Leadership
- Effective Communication
- Time Management
- Adaptability to New Technologies

CERTIFICATIONS

- MERN Stack Developer - IIT Kanpur 2024
- HP Life: Data Science & Analytics 2024
- MongoDB University: Introduction to MongoDB 2023
- ACMEGRADE: Artificial Intelligence 2024

ACHIEVEMENTS

- Smart India Hackathon - Developed App for direct market access for Farmers 2024
- HackerRank Python (3-Star) 2024