



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

PROJECTS

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

INTERNSHIPS

ACMEGRADE — AI Research Trainee 07/2024-08/2024
◦ 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

IIT Kanpur — Full Stack Developer Trainee

06/2024-07/2024

- 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