

Rahul Kumar

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Aspiring full-stack developer with strong foundations in Python, AI integration, and backend development. Proven experience building and deploying real-world applications using modern frameworks. Passionate about developing impactful tech solutions.

Education

Guru Nanak Dev Engineering College, Ludhiana (GNDEC) Expected graduation date: Jun. 2025
B.Tech. in Computer Science and Engineering | [Link to all courses](#) **CGPA: 6.84/10**
Relevant Courses: DBMS, Data Structures (Python), OOP (C++), Software Engineering, AI, ML,
Design & Analysis of Algorithms (Python)

Allama Iqbal College Biharsharif, Nalanda, Bihar 2020
XI & XII **Percentage: 65%**
Relevant Courses: Mathematics, Physics, Chemistry, Hindi, English

Jawahar Navodaya Vidyalaya Sheikhpura, Bihar 2018
6 - 10th **Percentage: 84.2%**

Training & Certifications

Python for Data Science IIT, Kanpur
IITK Foundation for Advanced Continuing Education & Training (IFACET) IIT, Kanpur Python (Beg - Adv), OOPs
Hands-on projects: Tic-Tac-Toe, Bug Tracker, E-shop System, SQL handling

Object Oriented Programming using C++ IIT, Kanpur
E & ICT Academy, IIT Kanpur C++ (Beg - Intermediate), OOPs
Built Employee Management and E-shop Systems

Projects

Student Progress Management System
Django, Django REST Framework, React.js, PostgreSQL, Tailwind CSS, Git

A full-stack web application to manage and visualize student progress on Codeforces, built with Django (backend) and React + Material UI (frontend).

- **Track:** Student contest history, problem-solving stats, and Codeforces activity.
- **Automate:** Daily sync with Codeforces, inactivity detection, and reminder emails.
- **Visualize:** Beautiful, responsive UI with charts, heatmaps, and CSV export.

FitTrack

Project to keep track of diet & fitness. *Python, Flask, MongoDB, HTML, CSS, Git*

Developed a Health and Fitness Tracker App using Python and Flask, featuring user profiles, activity tracking, exercise routines, nutrition logging, goal setting, progress monitoring, social sharing, and personalized health recommendations. Utilized HTML and Tailwind CSS for the user interface, Git for version control, and deployed the app on Vercel.

AI-Enhanced Medical Web Application

Python, LangChain, HuggingFace, Pinecone, OpenRouter LLM

- Developed a Flask-based medical web application that enables users to schedule doctor appointments through a clean and intuitive interface.
- Integrated an AI-powered chatbot capable of predicting diseases and recommending medications based on user-provided symptoms.
- Ensured personalized and safe recommendations by incorporating checks for user allergies and current medications, extracted from both user profiles and chat inputs.

LiveChat

Communicate with other users in real-time. *JavaScript, HTML, CSS, Git*

LiveChat is a real-time chat application. It allows users to join specific chat rooms and communicate with other users in real-time.

Skills

- Languages:** Python, C++, C
- Web:** Django, Flask, React, Tailwind, HTML/CSS, JavaScript
- AI/ML:** LangChain, HuggingFace, Pinecone
- Database:** PostgreSQL, MongoDB, SQLite, MySQL
- Tools:** Numpy, Pandas, Matplotlib, Git, CI/CD