

PANKAJ AHUJA

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EDUCATION

Maulana Azad National Institute of Technology <i>B-Tech Computer Science and Engineering</i>	<i>2022-Present</i> CGPA: 8.90
RVN School <i>Board of Higher Education, Rajasthan</i>	<i>2021</i> Percentage: 96
NCA School <i>Board of Secondary Education, Rajasthan</i>	<i>2019</i> Percentage: 94

EXPERIENCE

CerebrumX <i>SDE Intern</i>	<i>May 2025-June 2025</i> Gurugram
<ul style="list-style-type: none">Reduced daily token access costs by 92% (from \$50 to \$4) and reduced latency by 70% by replacing AWS Cognito with a Redis-based caching architecture, supporting 10,000+ daily requests with 99.9% uptime.Developed scalable RESTful APIs to manage client companies and third-party integrations, streamlining token lifecycle for 5,000+ active users.Optimized token management pipeline, cutting cloud costs by 20% and improving system reliability.	

PROJECTS

Code Mesh | [Link](#)

- Engineered a real-time editor with instant code sync and a complete virtual file system supporting CRUD operations, ZIP export, and instant code and file sync across users.
- Boosted team collaboration through real-time group chat, presence indicators, and an AI assistant for generating and editing code via natural language.
- Delivered a customizable coding environment with syntax highlighting, multi-language support, in-editor execution, themes, and font adjustments.
- Enabled real-time visual collaboration by integrating a shared drawing canvas using Tldraw for sketching and brainstorming together.
- Techstack:** React, TypeScript, Tailwind CSS, CodeMirror 6, Socket.IO, Tldraw, Node.js, Express.js, Piston API, Pollinations AI, Docker

Email Reply Generator | [Link](#)

- Developed an AI-powered Chrome extension that auto-generates intelligent Gmail replies, resulting in a 60% reduction in manual email drafting time.
- Enabled user customization with options to select tone, model, and prompt style directly in the extension UI.
- Designed a Spring Boot backend to process requests via REST APIs, enabling scalable integration with LLMs, achieving sub-second response times
- Techstack:** Java, Spring, Spring Boot, Css, Onrender, Gemini API, OpenAI API

Codeforces Profile Analyzer | [Link](#)

- Developed a full-stack web application that automates Codeforces profile analysis and rating trend visualization, reducing manual analysis time by 70%.
- Integrated Codeforces API to fetch real-time user statistics and used Chart.js to create interactive visualizations for performance tracking.
- Designed and implemented a responsive, intuitive frontend in React, enhancing usability and enabling seamless exploration of competitive programming stats
- Techstack:** HTML, CSS, JavaScript, React, Chart.js, Codeforces API

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, HTML5, CSS3, JavaScript, Java
Libraries, Frameworks: React, Recoil, Tailwind CSS, Express, Nodejs ,Spring Framework, Spring boot
Development Tools: Git, GitHub, Docker, Postman, VS Code, Chrome DevTools
Coursework: Data Structure and Algorithm, DBMS, OOPS, Computer Network, Operating System
Cloud/Databases: MySQL, MongoDB
Soft Skills: Teamwork, Time Management, Responsibility, Adaptability, Hardworking
Areas of Interest: Cricket, Table Tennis

ACHIEVEMENTS

Code for Good : Participated in code for good hackathon organised by JP Morgan Chase and CO.	<i>2024</i>
<ul style="list-style-type: none">Collaborated with a team to solve a real-world NGO problem by delivering an innovative platform, demonstrating strong teamwork and time management under pressure.	
Coding Profiles : Leetcode , GFG , Codeforces , CodeChef	
<ul style="list-style-type: none">Solved 400+ DSA questions across various platforms.	

POSITIONS OF RESPONSIBILITY

Core Team Member , Programming Club of College	<i>Mar 2024-Present</i>
<ul style="list-style-type: none">Mentored juniors in data structures, algorithms.	
Chegg Expert , Delivering Academic Support to Students at Chegg	<i>Sep 2023-Present</i>
<ul style="list-style-type: none">Helped students by solving tough coding problems and made sure the answers were correct and easy to understand.	