Pankaj Ahuja

Computer Science and Engineering
B-Tech
Maulana Azad National Institute Of Technology, Bhopal

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🌐 Portfolio
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EDUCATION

- **Maulana Azad National Institute of Technology** — *2022-Present*
  B-Tech Computer Science and Engineering — CGPA: 9.05

- **RVN School** — *2021*
  Board of Higher Education, Rajasthan — Percentage: 96

- **NCA School** — *2019*
  Board of Secondary Education, Rajasthan — Percentage: 94

PERSONAL PROJECTS

SummarizeX | Link
- Developed a MERN-based AI tool for video transcription, summarization,mind map generation.
- Integrated OpenAI's Whisper API, GPT models, FFmpeg, and D3.js for seamless automation.
- Optimized video processing with FFmpeg, Multer, and WebSockets for real-time progress tracking.
- Optimized processing with Multer and WebSockets for real-time progress updates.
- **Techstack**: JavaScript,React,Tailwind, Nextjs, Nodejs, Express, MongoDB, Whisper API, D3.js, OpenAI API

GoatCare Connect | Link | Live Demo
- Developed a web application to manage the distribution and monitoring of goats provided by an NGO to tribal communities with limited internet access.
- **Admin Dashboard**: Facilitates management of beneficiary and cattle details, visitor profiles, and analytics on goat health and distribution.
- **Visitor Dashboard:** Supports offline data entry and updates, photo verification for visits, and synchronization of data once internet access is available.
- **Techstack**: HTML, CSS, JavaScript, React, Tailwind CSS, Nodejs, MongoDB

Codeforces Profile Analyzer | Link
- Built a web app to analyze and compare Codeforces profiles, visualizing performance and ratings.
- Developed a robust tool for analyzing Codeforces profiles, providing detailed statistics and performance insights saving 70% of the time compared to manual analysis.
- Leveraged the Codeforces API for data retrieval and Chart.js for data visualization
- Designed an intuitive interface to enhance user experience and facilitate data interpretation.
- **Techstack**: HTML, CSS, JavaScript, React, Chart.js, Codeforces API

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, HTML, CSS, JavaScript
Libraries, Frameworks: React, Recoil, Tailwind CSS, Express, Nodejs, Three.js
Coursework: Data Structure and Algorithm, DBMS, OOPS, Computer Network, Opreating System
Cloud/Databases: MySQL, MongoDB
Soft Skills: Hardworking, Teamwork, Time Management, Responsibility, Adaptability
Areas of Interest: Competitive Programming, Cricket, Table Tennis

ACHIEVEMENTS

Code for Good : Participated in code for good hackathon organised by JP Morgan Chase and CO. *2024*
- Collaborated with a team to analyze and address a real-world problem posed by the NGO, delivering an innovative and user-friendly platform.
- Showcased teamwork and effective time management to meet project deadlines in a high-pressure environment.

Gold medal : International Mathematics Olympiad Contest — *2015*
Coding Profiles : Leetcode, GFG, Codeforces, CodeChef
- Solved 400+ DSA questions across various platforms.

POSITIONS OF RESPONSIBILITY

Core Team Member, Programming Club of College — *03/2024-Present*
- Mentored juniors in data structures, algorithms.

Chegg Expert, Delivering Academic Support to Students at Chegg — *09/2023-Present*
- Helped students by solving complex computer science problems in areas like algorithms and data structures, and kept a high accuracy rate to ensure quality support