

MOHIT PANWAR

Dehradun, Uttarakhand, India

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Education

VIT Bhopal University

Madhya Pradesh, India

Bachelor of Technology in Computer Science and Engineering — CGPA: 8.5/10.0

November 2022 – November 2026

Technical Skills

Programming Languages & Technologies: C++ (Proficient), Java, JavaScript, SQL, HTML, CSS, RESTful APIs, Microservices

Frameworks & Libraries: React.js, Next.js, Node.js, Express.js, Tailwind CSS, Bootstrap, Shadcn UI, Serverless Architecture

Databases: PostgreSQL, MySQL, Firebase, Neon, Convex, Relational Databases, Database Design

Tools & Methodologies: Git, GitHub, Postman, Prisma, Inngest, Agile, Scrum

APIs & Services: Clerk (Auth), Resend (Email), Gemini AI

Coding Profile

Competitive Programming: 400+ problems on **LeetCode** (Top 15%) and **Codeforces**

Proficiencies: Dynamic Programming, Graphs, Greedy Algorithms, Binary Search, Sorting, Hashing

Experience

Amazon HackOn Season 5.0 — FireTV Recommendation System

May 2025 – June 2025

Hackathon Team Lead

- Engineered AI-powered recommendation system using cosine similarity and SVD, boosting content discovery for 1000+ users
- Designed "Hot Section" feature with short-form trailers, cutting movie selection time by 60% and engagement by 45%
- Built responsive UI with Tailwind CSS and React, integrated Firebase backend handling 50+ concurrent requests at 99% uptime
- Coordinated 3-person engineering team using Git version control and agile delivery to meet production deadlines

Projects

BillyBuddy | Next.js, Tailwind CSS, Convex DB, Gemini AI, Shadcn UI, Clerk

April 2025 – June 2025

- Engineered expense management platform with real-time synchronization enabling bill splitting for 50+ concurrent users
- Implemented three bill-splitting algorithms (percentage, fixed, equal) eliminating 100% of manual calculation errors
- Deployed automated daily email reminders via Inngest and Resend API, improving payment collection by 70%
- Developed AI-powered spending analytics generating monthly reports with savings recommendations averaging 15%

PropelAI | Next.js, Neon DB, Inngest, Prisma, Gemini AI, Shadcn UI, Clerk

January 2025 – March 2025

- Created comprehensive career platform with industry analysis, resume optimization and interview preparation for 50+ users
- Developed ATS-optimized resume builder reducing formatting time by 80% and increasing qualification pass rates by 65%
- Implemented Gemini AI industry analysis delivering workforce insights across 50+ sectors including growth trends and salary benchmarks
- Built interactive assessment system with AI-generated explanations tracking progress for 50+ participants, improving outcomes by 40%

Achievements

1st Place — StartupWrek'22 Hackathon, VIT Bhopal University (50+ teams)

Top 180 Teams — Amazon HackOn Season 5.0 National Level (10,000+ participants)

National Rank 4 — KenKen International Championship

Qualified State Level Mathematics and Science Olympiad

Leadership & Extracurricular

Event Coordinator, E-Cell, VIT Bhopal: Mentored 10 participating teams leveraging competitive experience, with 7 teams advancing to the final round, and implemented the top 3 participant-suggested improvements to enhance event experience.

Inter-State Football Competitor: Represented regional team in state-level tournaments demonstrating strategic collaboration