

# Abhinav Gangwar

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## EDUCATION

Indian Institute of Information Technology, Bhopal

November 2022-May 2026

Bachelors of Technology – Computer Science Engineering(CSE)

CGPA 9.54

Relevant Coursework: **Data Structure & Algorithms, Object Oriented Programming, Competitive Programming**

## ADDITIONAL INFORMATION

- **Technical Skills:** C, C++, JavaScript, TypeScript, MATLAB, HTML, CSS, MYSQL.
- **Technologies:** jQuery, React JS, Node JS, Express JS, Next.js, Bootstrap, Tailwind.
- **Developer Tools:** Github, VSCode, JSON, Vercel, MongoDB, NeonDB(PostgreSQL), Prisma
- **Soft Skills:** Leadership, Team Management, Creativity, Emotional Intelligence

## POSITIONS OF RESPONSIBILITY

Codame, IIT Bhopal | Competitive Programming Team Executive

November 2023–Present

- Assisted in fostering a community of young CP enthusiasts by organizing regular sessions and contest discussions.
- **Set contest problems** in Inter-IIT CP contests like **OptiGo, Mr. and Miss. Coder and First Line of Code(FLOC)**.

Class Representative | CSE Branch

August 2024–Present

## ACADEMIC PROJECTS

Memoria-Journaling & Mood Analysis App | Next.js, Clerk, NeonDB, Prisma, Tailwind, Pixabay API

[GITHUB](#) | [SITE](#)

- Developed a **journaling** app with **mood-based image integration from Pixabay**, real-time mood analysis, and **personalized user disposition summaries**.
- Utilized **NeonDB (PostgreSQL)** and **Prisma** for fast, secure database operations, with response times **under 150ms** with **Clerk** for seamless user authentication and JWT for session management.
- Implemented responsive, user-friendly design using **Shadcn UI and Tailwind**, with data-driven mood charts and insights for user self-reflection.

BookHaven-Bookstore & Blogging App | ReactJS, NodeJS, ExpressJS, MongoDB, Tailwind v3, Stripe, JWT

[GITHUB](#) |

[SITE](#)

- Built a high-performance online bookstore using the **MERN** stack and **Vite**, integrating **Cloudinary** for optimized image loading and **Stripe** for **secure transactions**, with login response times **under 100ms** using **JWT** and **bcryptjs**.
- Offers **5+ services** including **advanced search/filter**, **buying/selling hard and digital copies**, and **publishing informative blogs**.

AI-Driven Financial Scheme Recommender

| ReactJS, NodeJS, ExpressJS, MongoDB, Express-Rate-Limiter

[GITHUB-WEB](#)

- **Achieved national recognition by winning the Smart India Hackathon 2024**, outperforming **1000+ teams** showcasing innovation in addressing financial inclusion and economic challenges in rural India.
- **Developed a responsive web application** integrating **personalized scheme recommendations**, regional insights, and **loan viability predictions** for farmers, handling high scalability and rate-limiting security.
- Designed **hierarchical administrative dashboards** for **national, state, and district officers** to manage **financial scheme targets**, facilitating scheme management for **1,500+ districts** with interactive visualizations predicting success.
- Integrated **AI/ML models in Python (TensorFlow, Matplotlib, Uvicorn)** - [GITHUB-ML](#) for clustering, time-series analysis, and large language model-driven communication, solving challenges for **India Post**.

## ACHIEVEMENTS & CERTIFICATES

- Won **Smart India Hackathon-2024**, amongst 1000 teams participating from all over the country. [View](#)
- Secured a position among the **top 5 among first year students** out of a staggering 200+ participants in **CodeBhoj**, an inter-college coding contest organized across Bhopal.
- Achieved **3rd rank** among 200+ participants in **Mr. and Miss. Coder**, an intra-college coding contest.
- **Ranked in the top 3.46%** on [Leetcode](#), having earned the prestigious **Knight** badge and a **maximum rating of 1948**.
- Acquired **3-star rating** and global ranks **within Top 500** on [Codechef](#) in multiple contests.