

# Praveen Kumar

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## Education

**Indian Institute of Technology (Indian School of Mines), Dhanbad**

B.Tech- Mineral and Metallurgical Engineering

Expected May 2026

Dhanbad, Jharkhand

- **Relevant Coursework:** Data Structures and Algorithms, C Programming, Operating System, Object-Oriented Programming (OOP), Database Management System, System Design, Mathematics.

## Experience

### JMD Groups

Remote

Full-Stack web development Intern(As a team leader)

Oct 2023 - Nov 2023

- Led the development of both frontend and backend components, improving team efficiency by 25% and project performance by 20%. [Certificate](#)
- Improved project efficiency by 20% through management consulting and Enhanced team efficiency by 25%.

### AuctionX(GlobalVox)

Remote

Full-Stack web development Intern

Oct 2024 - Nov 2024

- Developed and optimized Admin Panel features, including profile updates, automated time increment, and configuration page debugging, enhancing overall system reliability. [Certificate](#)
- Implemented Auction creation functionality with multi-condition handling to ensure flexibility.

## Projects

**Kartavya Internal Website** | *React.js, Express, Node.js, MongoDB, JavaScript, Tailwind CSS, Shadcn*

[Github](#)

- Developed an internal portal for managing student data, including adding, updating, and filtering records for 400+ students.
- Implemented logic to map 100+ sponsors to students and connected the internal system to the [public site](#) for real-time sponsorship tracking.
- Improved Sponsorship Team productivity by streamlining student and sponsor management through the website.
- Actively adding features and updating workflows based on evolving organizational needs.

**Event Management Web App** | *Javascript, React.js, Node.js, Express, MongoDB, Tailwind, OAuth, JWT, Google Pay*

[Github](#)

- Built 6+ core pages including Landing, Projects, Payments, and Contact, increasing user engagement by 25%. Analyzed 15+ projects to identify modern web trends.
- Integrated Google Pay for seamless transactions, reducing payment failures by 30%. Enabled Google OAuth and SMTP-based email alerts for 1000+ users.
- Implemented real-time validation using React Hook Form and Zod, cutting user form errors by 70%. Cloudinary is used for optimized image uploads, improving load time by 40%.

### Llm-doc-processor(Hackathon)

*Next.js, React, TailwindCSS, Python(FastAPI, MongoDB), OpenAI/Groq API, Pinecone, PyPDF2, Docker*

[Github](#)

- Engineered a scalable LLM-powered document processing platform that automated extraction and interpretation of unstructured data (PDFs, Word, emails), reducing manual review time by 60%.
- Designed and deployed a semantic search pipeline with Pinecone + OpenAI, improving clause retrieval accuracy by 40% compared to keyword-based search.
- Built a FastAPI backend with MongoDB SQLAlchemy, enabling sub-200ms queries and 3x wider document coverage.
- Developed a Next.js + Tailwind frontend with structured JSON outputs and 85%+ test coverage for production-grade reliability.

## Technical Skills

**Tech stack:** C/C++, JavaScript, HTML/CSS, Tailwind CSS, Node.js, React, Express.js, Next.js, TypeScript, Python

**Programming :** Competitive Programming, Data Structures and Algorithms, Operating System, OOP, Database Management System, System Design, Machine Learning Model(LLM- basic exposure).

**Tools :** Git & GitHub, VS Code, MongoDB, Redis, PostgreSQL, Postman, Apache JMeter, Katalon Studio.

**Soft Skills :** Teamwork, Leadership, Communication, Creative Thinking, Analytical Skills, Logical Reasoning, Adaptiveness.

## Achievements

- **C++:** Solved 1300+ problems: [Codeforces \(1315+ rating\)](#), [CodeChef \(3 star\)](#), [LeetCode](#), [Codolio](#)
- **Hackathons:** Successfully cleared the first round and advanced to the second stage in **Adobe India Hackathon** and **HackRx 6.0 (Bajaj Finserv)**, gaining valuable exposure to industry-level problem solving.
- **District Rank-9:** Secured 9<sup>th</sup> rank in the district in Class 12<sup>th</sup> board examinations.

## Positions of Responsibility

**Core Member (CMT & SMT) :** Led organizational operations, managed student teams, and supervised key initiatives; organized Prakash (Annual Fest) three times, significantly enhancing community outreach and overall impact.