





Ashish Kumar

Full Stack Developer

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Education

Indian Institute of Technology Roorkee

Nov 2021 - May 2025

Bachelor of Technology in Metallurgical & Materials Engineering; CGPA: 7.237/10

Roorkee, India

- **Relevant Coursework:** Data Structures and Algorithms (C++), Full Stack Development, Backend Development

Work Experience

SDE Intern – TechLuminar Education

January 2024 – April 2024

- Developed a scalable education platform similar to DoubtNut using Next.js and Node.js, onboarding 500+ users within the first month.
- Built custom RESTful APIs to deliver structured interactive learning modules and quizzes.
- Designed and implemented quiz features that boosted learner engagement, increasing course completion rates by 40% among 500+ users.

Projects

Food Delivery Website (Tomato)

April 2024 – May 2024

- Built a full-stack food delivery platform with user login, admin panel, and payment workflows.
- Integrated Stripe for secure transactions and implemented JWT-based role-specific access control.
- Developed a mobile-responsive UI using React and Tailwind CSS to ensure seamless cross-device compatibility.
- Leveraged the MERN stack to handle real-time order tracking and efficient data processing on the backend.

CodeAsh – Online Coding Platform

July 2025

- **Tech Stack:** React (Vite), Tailwind CSS, Express.js, MongoDB, Redis, JWT, Docker, bcrypt, crypto, Judge0 API, Monaco Editor, Framer Motion, Google GenAI API, Google OAuth, AWS EC2, Nginx.
- Built a full-stack coding platform with live problem solving, code execution, submission tracking, and progress visualization.
- Implemented Google OAuth for seamless third-party authentication alongside JWT-based login.
- Integrated an AI-powered assistant using Google GenAI API to provide code debugging and problem-solving support.
- Developed an Admin Panel with role-based access to create, update, and delete problems.
- Implemented an Editorial section for users to post solutions and explanations with Markdown support.
- Integrated Monaco Editor with Judge0 API for real-time, multi-language code compilation.
- Secured backend with JWT auth, bcrypt encryption, Redis session handling, and Dockerized deployment.
- Deployed on AWS EC2 with Nginx reverse proxy, custom domain DNS setup, and SSL for secure access.

Technical Skills

Languages: C++, JavaScript, TypeScript, Ruby, Solidity, HTML, SQL

Frameworks & Tools: React.js, Next.js, Node.js, Express.js, Tailwind CSS, MongoDB, Mongoose, Redis, Framer Motion, Docker, Docker Compose, Git, GitHub, Jenkins, JWT, bcrypt, crypto, Postman, Websockets,

Other Technologies: Linux, OpenAI API, AWS EC2, Stripe, Socket.io, Nginx, Git, Postman, Remix IDE, Foundry

Concepts: Data Structures & Algorithms, REST APIs, Role-Based Access Control, Responsive Design

Languages & Communication

Spoken Languages: English (Professional), Hindi (Native)

Communication Skills: Collaborative teamwork, Public speaking, Peer mentoring

Extracurricular Activities

Cognizance: Events Executive at Cognizance'23, IIT Roorkee

Cultural Council, IIT Roorkee: Senior Executive Member of Cultural Society, IIT Roorkee

Student Mentorship Program, IIT Roorkee: Mentor, guiding and supporting junior students in their academic and personal growth.