

Amit Kumar

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EXPERIENCE

Software Engineer Intern | EazePlace

Jan 2025 - Apr 2025

- Led development team of 4 engineers to architect a scalable multi-page React.js application with JS and Tailwind CSS, achieving a **30% user engagement** boost and **40% faster build performance** through Vite optimization.
- Established **robust Git workflow and version control**, driving seamless code integration, eliminating merge conflicts, and reducing development bottlenecks through systematic branching strategies and code review processes.
- Optimized component rendering using **memoization** and efficient state management, reducing unnecessary re-renders and improving page load responsiveness.

EDUCATION

Indian Institute of Technology (IIT) Roorkee

B.Tech in Biotechnology | CGPA -7.23

PROJECTS

Stock Analyzer - React.js| Node.js| Gen AI| Socket.io| MongoDB| Chart.js| Axios

Nov 2025

- Developed an AI-powered stock analysis platform using **Gemini AI** and a technical indicator (RSI, MACD, Bollinger Bands) for real-time portfolio insights.
- Built an **intelligent conversational AI system** for stock recommendations and market insights, processing natural language queries to provide personalized investment advice and technical analysis reports for **100+ concurrent users**.
- Created an automated financial analysis engine with real-time data, **AI-based portfolio optimization**, and interactive dashboards for predictive analytics.

Ravindra Bhawan Website – IIT Roorkee React-Redux| MYSQL| Material UI

Aug 2024 - Sep 2024

- Designed and deployed a user-centric MERN stack website for **IIT Roorkee** with contact forms, complaint management, facilities showcase, events calendar, **and room booking system**, serving **400+ students**.
- Coordinated with **5+ faculty members** to gather comprehensive requirements and deliver scalable platform that streamlined campus operations, enhanced student services, and optimized administrative workflow processes.

Employee Management System – Express.js| React.js| Jest| OAuth| REST APIs

- Built a full-stack Employee Management System using the **MERN stack** with secure **employee CRUD operations**, **JWT-based authentication**, and **role-based access control**.
- Implemented **scalable backend** architecture with controllers/services, input validation, hashed passwords, and **Git/GitHub** version control for clean & maintainable code.

TECHNICAL SKILLS

Languages: C++, JavaScript (ES6+), TypeScript, Python, SQL, HTML5, CSS3.

Frontend Technologies: React.js, Redux, Vue.js, Tailwind CSS, Bootstrap, Responsive Design.

Backend Technologies: Node.js, Express.js, REST APIs, Authentication (JWT), CORs, MVC Architecture.

Databases & Storage: MongoDB, PostgreSQL, MySQL, Prisma ORM.

Development Tools: Git & GitHub, Docker (Basics), Amazon Web Services (EC2, S3), VS Code, CI/CD Pipelines.

Computer Science Fundamentals: Data Structures & Algorithms, Object-Oriented Programming (OOP), DBMS, Operating Systems, System Design (Basics).

AI & LLM Integration: OpenAI API, Google Gemini API, LangChain (Basics), Prompt Engineering, Retrieval-Augmented Generation (RAG).

ACHIEVEMENTS & LEADERSHIP

- **HORIBA Talent Hunt Scholarship Awardee (2022–23)** - Earned a prestigious national scholarship for exceptional academic achievement and technical competence among leading engineering students in India.
- **Runner-Up in Cross-Border Remittance Business Development Competition conducted by IIT Roorkee**, demonstrating strong problem-solving, business strategy, and analytical skills.
- Solved **800+ DSA questions** across **InterviewBit, Leetcode, and Code 360** platforms.

