

GAURAV GUPTA

+91 9125333312 | gaurav33ch@gmail.com | igauravgupta.tech | github.com/igauravgupta | linkedin.com/in/i-gauravgupta | codolio.com/profile/igauravgupta

Work Experience

Vemakers Consultancy

January 2025 - Present

Software Engineer Trainee

- Delivered **3+ full-scale applications**, including a Hospital Management System, ADHD Tracker App, and E-commerce Platform for **5+ clients**, ensuring scalability and maintainability.
- Architected** a queue-based booking system using RabbitMQ, increasing request throughput by **40%** and reducing latency by **30%**.
- Deployed** a scalable SMS notification system leveraging Redis and BullMQ, handling **10,000+ concurrent users** with **99.9% message delivery reliability**.
- Developed** and **optimized 15+ RESTful APIs** using Node.js and Express.js, sustaining **<200ms average response time**.
- Collaborated** with a Flutter developer to synchronize API integration, improving data consistency and performance by **35%**.
- Engineered** a reusable UI component library in CSS and integrated it across React modules, cutting front-end development time by **25%**.

Sajal Tech Solutions Pvt. Ltd.

September 2024 - November 2024

Full Stack Intern

- Designed** and **launched** a full-stack Q&A platform serving **10,000+ automotive enthusiasts**, enabling topic-specific discussions and knowledge sharing.
- Implemented** a reputation-based user ranking system with moderation tools and spam filters, decreasing unwanted content by **50%**.
- Created** and **maintained 7+ RESTful APIs** with Express.js and MongoDB, improving data retrieval efficiency by **35%** and ensuring **99.9% uptime**.

Skills

Languages: C++, JavaScript, TypeScript

Frontend Technologies: RESTful APIs, HTML, CSS, TailwindCSS, React.js, Next.js, Redux Toolkit, Responsive Design

Backend Technologies: Node.js, Express.js, BullMQ, RabbitMQ, WebSockets, Microservices, Docker, AWS, Git, GitHub, API testing, Postman

Databases: SQL, PostgreSQL, MongoDB, Redis, MySQL

Concepts: Object-Oriented Programming (OOP), Agile Methodology, Software Development Life Cycle (SDLC), Database Management Systems (DBMS), Operating Systems, Computer Networks, Data Structures, Algorithms, System Design (LLD & HLD), CI/CD pipelines, Unit testing, Integration testing

Project Work

TinyURLz | Personal Project | [Github](#) | [Live](#)

April 2025 - May 2025

Tools: React.js, Node.js, Express.js, MongoDB, JWT, Docker, TailwindCSS, Netlify, AWS Lambda

- Developed a full-stack **URL Shortener App** to shorten and manage URLs with **auto-expiry and analytics features**.
- Integrated **Google OAuth 2.0** authentication flow, enabling users to authenticate via their Google accounts securely.
- Secured endpoints** through JWT authorization, **input validation, and rate limiting**, ensuring zero vulnerabilities.

MineGuard | Team Project | [Github](#)

February 2025 – March 2025

Tools: React.js, Node.js, Express.js, MongoDB, JWT, Cloudinary, TailwindCSS, NLP, LangChain, Gemini, AWS

- Developed** an AI-powered compliance assistant using LangChain and Gemini API to interpret **100+ Indian mining laws** for real-time regulatory insights.
- Designed** a responsive React.js interface combined with NLP-based query handling to deliver intelligent, context-aware responses.
- Built a **secure incident reporting module** with JWT authentication and Cloudinary for file uploads, ensuring reliable evidence management.

Skillop | Personal Project | [Github](#) | [Live](#)

December 2024 - January 2025

Tools: React.js, Node.js, Express.js, MongoDB, JWT, Cloudinary, TailwindCSS, Docker

- Implemented **4+ major features** including **job listings, profile management, and search with protected routes**.
- Leveraged **Redux Toolkit** for efficient state management and configured **Multer** and **Cloudinary** for secure file uploads.

Achievements and Leadership Experience

- Organized Sprintsacks 3.0**, a national hackathon with **300+ participants** and **50+ projects**, judged by industry professionals.
- Conducted 3+ workshops** and curated a web development curriculum covering technologies React.js and Node.js.

Education

KIET Group of Institutions (Affiliated to AKTU, Lucknow), Delhi NCR
B.Tech in Computer Science | **CGPA: 8.3**

November 2022 - Present