

AMIT GUPTA

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EDUCATION

VIT Bhopal University
B.Tech. in Computer Science and Engineering (GPA: 8.43/10)

Madhya Pradesh, India
Sep 2022 - May 2026

SKILLS SUMMARY

- **Languages:** C++, Java, Python, JavaScript, SQL, HTML5, CSS3
- **Frameworks:** React, Node.js, Express.js
- **Libraries:** Redux Toolkit, Tailwind CSS, EJS, Material UI
- **Databases & Cloud:** MongoDB, MySQL, Redis, AWS (S3, Lambda, EC2), GCP
- **Core Concepts:** Data Structures, OOP, Machine Learning, RESTful APIs, Microservice
- **Tools:** Vite, Git, GitHub, Vercel, Vs-Code

PROJECTS

Fin Trade – Online Stock & Investment Platform / *MERN Stack, Tailwind CSS, JWT* 2025

- Created a comprehensive trading platform serving 1,000+ users with IPO applications, mutual funds, bond trading, and margin trading features.
- Integrated secure JWT authentication and role-based access control, reducing security vulnerabilities by 95%
- Designed 20+ streamlined RESTful APIs using Node.js/Express with MongoDB, handling 10,000+ daily transactions
- Generated responsive React.js interface with Tailwind CSS, achieving 40% faster page load times and real-time portfolio updates for 500+ concurrent users
- Consolidated live market data APIs, processing 50,000+ data points per minute for real-time financial visualization

Stay Ease – Property Booking & Rental Platform / *Node.js, Express, MongoDB, EJS* 2025

- Architected end-to-end property rental platform managing 500+ property listings with advanced search filters and secure image uploads
- Delivered a server-side rendered application using EJS templates, improving SEO performance by 60% and reducing page load times by 35%
- Blended calendar booking system with session-based authentication, processing 200+ monthly reservations with 99.5% uptime
- Optimized database queries and implemented responsive design, enhancing user experience across 5+ device types with 25% increased engagement
- Automated email notification system for bookings, reducing manual follow-ups by 80%

Taskify - AI-Powered Task Manager / *Django, JavaScript, Machine Learning, Redis* Jan 2024 - May 2024

- Engineered intelligent task management platform using Random Forest algorithms, achieving 85% improvement in task assignment efficiency for 300+ users
- Applied a predictive analytics model with 92% accuracy for automatic task prioritization and deadline prediction across 1,000+ tasks
- Built 15+ REST API endpoints supporting seamless frontend-backend communication and third-party connections.
- Orchestrated real-time progress tracking using WebSocket connections with Redis caching, reducing response times by 70% and increasing user engagement by 45%
- Incorporated machine learning pipeline processing 5,000+ task data points daily for continuous model improvement

Certifications & Leadership

- NESAC (North Eastern Space Applications Centre) Certification: Completed specialized training in space and remote sensing applications.
- Microsoft Azure Training Internship (Grantley Edutech): Completed a 3-month remote internship focused on Microsoft Azure cloud services and related technologies.
- Mozilla Firefox Club Co-Lead: Directed content creation and strategy for 10+ initiatives, producing technical documentation and tutorials that attracted 500+ unique users.
- Tech Co-Lead, Bash Craft Club: Hosted 15+ technical workshops and coding events, empowering 200+ members in web development, algorithms, and system design while managing logistics and curriculum.
- NSS (National Service Scheme) Member: Contributed 50+ volunteer hours in rural education initiatives and environmental awareness campaigns, promoting social impact and teamwork.