Varnikumar Rajendrakumar Patel

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EXPERIENCE

Mittal Alliance Industries Private Limited   May 2025 - Jan, 2026
 Full Stack Web Developer Intern   Indore, India (Hybrid)

- Built 7 scalable full-stack MERN applications using modular backend design and RESTful services.
- Designed 20+ responsive React.js interfaces with backend integration and performance tuning.
- Collaborated with 4 backend developers using GitHub workflows for version control and reviews.
- Led a team of 6 developers, reviewing 50+ pull requests to ensure quality and on-time delivery.

BADVERSE   Feb, 2025 - Apr, 2025
 Software Engineer Intern   Silicon Valley, USA (Remote)

- Engineered 6 scalable MERN modules using clean architecture and backend best practices.
- Refactored 10 core components into modular services to improve maintainability and reduce debt.
- Optimized 15+ APIs and database queries to enhance response time and system performance.
- Resolved 20+ production issues using structured debugging, monitoring, and root-cause analysis.

PROJECTS

KisanHub, MERN Based Smart Agriculture Marketplace   Dec, 2025 - Present

- Identified 4 major profit-loss gaps faced by farmers due to intermediaries and limited agro access.
- Developed a scalable MERN platform connecting 1,000+ farmers with buyers using REST APIs.
- Implemented 3 core modules like direct selling, marketplace, and JWT-secured real-time chat.
- Designed a modular backend architecture with MongoDB optimization to support 1,000+ users.

CompileVerse, AI Powered Online Code Compiler & Analyzer   Oct 2024 - Dec 2024

- Identified 3 major gaps in online compilers lacking intelligent and real-time code feedback.
- Built an AI-powered platform tested by 200+ users using React.js, Node.js, Docker, and AWS EC2.
- Integrated Gemini AI APIs to optimize code across 10+ coding categories for real-time analysis.
- Implemented 4 real-time suggestion modules using async backend processing and AWS IAM roles.

SKILLS

- **Core Concepts:**   Data Structures & Algorithms (Java), OOP, DBMS, OS, CN, System Design
- **Web Technologies:**   HTML, CSS, JavaScript, React.js, Tailwind CSS, Node.js, Express.js, Firebase
- **Backend & DevOps:**   REST APIs, Microservices (basic), CI/CD (basic), Docker (basic), AWS (basic)
- **Programming:**   Java, Python, SQL (MySQL), C++, .NET, Git, GitHub, NoSQL (MongoDB)

ACHIEVEMENTS & LEADERSHIP

- Selected for Amazon ML Summer School 2025, among 3,000 selected from 60,000+ applicants.
- Achieved Specialist rank on Codeforces (1467) and solved 270+ problems on LeetCode (1502).
- Technical Lead of a 5-member team at Ramanujan Club, driving technical initiatives.
- Ranked among the top 45 teams at college level in Smart India Hackathon (SIH) 2024.

EDUCATION

VIT Bhopal University, Bhopal   Sep, 2023 - May, 2027

B.Tech in Computer Science & Engineering (Artificial Intelligence and Machine Learning)
CGPA : 7.83