

Rajan Patel

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EDUCATION

- **University School of Information, Communication & Technology**
• Bachelor of Technology - Computer Science and Engineering; GPA: 8.4

Delhi, India

Nov 2022 - June 2026

SKILLS

- **Languages:** C, C++, Python, JavaScript
- **Tools & Technology:** WordPress, GIT, Github, Postman, Expressjs, Reactjs, Socket.io, Redux, zod, Nextjs, AWS, Jupyter Notebook, Google Colab
- **Database:** MySQL, MongoDB
- **Soft Skills:** Leadership, Event Management, Team Work

EXPERIENCE

- **Full Stack Developer Intern — SvaraAI** Remote
Sept 2025 – Present
• Full Stack Developer
 - Implemented secure authentication workflows, configured mail-receiving servers (SMTP), and managed DNS records (A, MX, SPF, DKIM) to ensure reliable communication.
 - Designed and optimized backend system architecture to improve scalability, API performance, and integration across core services.
 - Deployed services on AWS (EC2, PM2) and created automated Bash scripts for seamless staging-branch deployments and CI/CD efficiency.
- **Wordpress Developer — ProtozoaHost** July 2025 – August 2025
• Wordpress Developer Intern Remote
 - Interned at Protozoahost, where I applied front-end development skills using WordPress to design and implement responsive, interactive web interfaces.
 - Enhanced technical proficiency in web development, focusing on UI/UX design, cross-browser compatibility, and content management system integration.
 - Earned a certificate of achievement, validating expertise in front-end development and web technologies.

PROJECTS

- **Automated Exam Seat Allocation System (Node.js, MongoDB, React, TailwindCSS):**
 - Designed a subject-aware seat allocation algorithm that groups students by subject code and prioritizes larger subjects for efficient room utilization.
 - Implemented column-block seating (pairwise columns) with left-right adjacency checks to prevent same-subject neighbors.
 - Built a row-wise, constraint-validated grid allocator with dynamic seat numbering, per-room distribution tracking, and MongoDB persistence. **Currently in active use at my university.**
- **MockGenie – AI-Powered Interview Preparation (Next.js, Gemini API, PostgreSQL, Drizzle ORM):**
 - Developed a full-stack interview preparation platform with AI-generated questions and personalized feedback.
 - Integrated Gemini API to enable real-time evaluation and adaptive interview practice flows.
 - Implemented secure authentication, scalable backend APIs, and structured performance analytics.
- **Connectify (ReactJS, Node.js, MongoDB, Socket.IO):**
 - Developed a real-time social networking application with messaging, media sharing, and user profiles.
 - Implemented JWT-based authentication and backend APIs for chat persistence and image handling.
 - Deployed frontend and backend on Vercel with automated CI/CD pipelines.

ACHIEVEMENTS

- **Web Battle – HashTech:** 3rd Place in "Web Battle" USS ACM's "HashTech" event Nov 2022
- **Mahatma Gandhi Scholarship:** Scholarship Award Rs. 48,000 for outstanding academic performance during the +2 program 2019

POSITION OF RESPONSIBILITIES

- **Event Management Lead @ Anugonj, GGSIPU College Fest:** Planned and coordinated fest events, managing teams and logistics Ensured smooth execution and high participation Feb 2023
- **ACM Content Writer and Frontend Developer:** Created technical content and developed frontend features USS ACM Student Chapter Nov 2022 – Nov 2023