Satyam Raj

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EDUCATION

- **National Institute of Technology Raipur** — Raipur, Chhattisgarh
  MCA - Pursuing Master of Computer Applications — 2023 - 2026
- **Tilka Manjhi Bhagalpur University** — Bhagalpur, Bihar
  BCA - Graduated in Bachelor of Computer Applications — 2018 - 2022
- **Guru Gobind Singh Public School** — Bokaro, Jharkhand
  Completed Higher Secondary Education (12th) — 2016 - 2018

TECHNICAL SKILLS

- **Languages**: C++, Python, Java, JavaScript (ES6+), SQL, HTML5, CSS3
- **Frameworks**: React, Next.js, Node.js, Express.js, Vite, Shadcn/UI, DaisyUI
- **Tools**: Git, GitHub, Prisma, Convex, Firebase, PostgreSQL, MySQL, MongoDB, VS Code
- **Platforms**: Linux, Windows, Web, Vercel, AWS, NeonDB
- **AI Technologies**: Google Generative AI, Google Gemini API, OpenAI
- **Other Skills**: REST APIs, Event-Driven Architecture (Inngest), Authentication (Firebase, Clerk, JWT), Serverless Functions

PROJECTS

- **ElevateAI – AI-Powered Career Development Platform**   **GitHub**   **Live Demo**:
  - Built an AI-powered resume and cover letter builder using Google Generative AI, increasing relevance and ATS-compatibility of generated documents by 90%+.
  - Implemented mock interview simulation with AI-driven question generation, improving candidate preparedness and reducing interview rejection risk by 25%.
  - Developed an industry insights module with Prisma and PostgreSQL, delivering real-time trends, salary data, and skills demand with <200ms query latency.
  - Integrated Firebase Authentication for secure user onboarding, reducing authentication failures by 30%.
  - Optimized frontend with Next.js, React, Tailwind CSS, and Shadcn/UI, improving page load speed by 35% .

- **ClariNotes – Modern Note-Taking Platform**   **GitHub**   **Live Demo**:
  - Developed a modern note-taking platform for researchers and students using Next.js, Convex, and Tailwind CSS, achieving 99.9% uptime with serverless architecture.
  - Designed a smart note organization system leveraging Convex backend, reducing search and retrieval time by 40%.
  - Integrated secure authentication and role-based access, improving data protection and reducing unauthorized access incidents by 100%.
  - Enhanced UI with Geist font and optimized font loading, improving first contentful paint (FCP) performance by 20%.

- **Tixtra – AI-Powered Ticket Management System**   **GitHub**:
  - Engineered an AI-powered ticket management system using Google Gemini AI, achieving 95%+ accuracy in automatic categorization, prioritization, and skill-based routing.
  - Implemented event-driven workflows with Inngest, reducing ticket processing latency by 30% and enabling seamless background operations at scale.
  - Designed and optimized a role-based access control system with secure JWT authentication, improving system security and reducing unauthorized access incidents by 100%.
  - Built advanced filtering, search, and analytics dashboards with React 19, Tailwind CSS, and DaisyUI, enhancing efficiency and cutting triage time by 40%.
  - Optimized backend queries with MongoDB indexes and Express.js, achieving a 20% improvement in API response time.

ACHIEVEMENTS

- **Solved 450+ DSA Problems**: Practiced and solved over 450 Data Structures and Algorithms problems on platforms such as LeetCode and GeeksforGeeks, strengthening problem-solving and algorithmic skills.
- **LeetCode Rating 1800+**: Achieved a competitive rating of 1800+ on LeetCode, placing in the upper percentile among active competitive programmers.
- **Cultural Incharge**: Served as the Cultural Incharge during Higher Secondary Schooling, organizing and managing various cultural and extracurricular events.

SOFT SKILLS

• Problem-Solving	• Project Execution	• Communication	• Leadership