

Shivansh Nigam

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Education

Maulana Azad National Institute of Technology (NIT Bhopal) <i>Bachelor of Technology in Electrical Engineering</i>	2023 – 2027 <i>Bhopal, Madhya Pradesh</i>
Madhya Pradesh Board of Secondary Education (MPBSE) <i>Senior Secondary</i>	2021 – 2022 <i>Vidisha, Madhya Pradesh</i>
Central Board of Secondary Education (CBSE) <i>Secondary</i>	2019 – 2020 <i>Vidisha, Madhya Pradesh</i>

Experience

Pratinik Infotech Pvt. Ltd. <i>Software Development Intern</i>	Jul 2025 – Sep 2025 <i>Remote</i>
<ul style="list-style-type: none">Developed a task management web application using React.js, Node.js, and MongoDB with JWT-based authentication and CRUD operations.Enhanced usability and productivity by adding real-time updates and responsive layouts for seamless collaboration.	

Projects

AI Powered Resume Builder <i>React.js, Node.js, Express.js, MongoDB, Tailwind CSS, Google Gemini AI, ImageKit</i>	
<ul style="list-style-type: none">Built and deployed a full-stack AI-powered resume builder that enables users to create, edit, and share professional resumes with customizable templates.Integrated Google Gemini AI for intelligent resume optimization and ImageKit for seamless image upload and background removal.Developed the frontend with React.js and Tailwind CSS, and implemented a Node.js + Express.js backend with MongoDB for secure user data management.	
Route / Navigation Engine <i>C++, Node.js, Redis, Graph Algorithms</i>	
<ul style="list-style-type: none">Designed and implemented a high-performance route navigation backend using Dijkstra and A* algorithms on graph-based geospatial data.Built a C++ core routing engine and exposed it via a Node.js REST API for efficient query handling.Integrated Redis caching for repeated route queries, achieving near-zero latency on cache hits.Benchmarked A* against Dijkstra to analyze heuristic-based performance improvements under repeated route queries.	

Video Hosting Platform – Backend <i>Node.js, Express.js, MongoDB, JWT, Multer, Cloudinary</i>	
<ul style="list-style-type: none">Built a modular backend for a video hosting platform supporting secure user authentication, video uploads, subscriptions, and profile customization.Implemented JWT-based access and refresh tokens with secure cookies and token refresh workflows for persistent sessions.Integrated Cloudinary for avatar and cover uploads and optimized asynchronous operations for scalable performance and maintainability.	

Technical Skills

Programming: C++, JavaScript (ES6+), TypeScript, Python (basics)
Frontend: React.js, Next.js, HTML5, CSS3, Tailwind CSS, Bootstrap, SCSS
Backend: Node.js, Express.js, RESTful APIs, MongoDB, JWT Authentication
Developer Tools: Git, GitHub, VS Code, Postman, Chrome DevTools, npm
Design & Utilities: Figma, Shopify, WordPress, ImageKit, Cloudinary
Core CS Skills: Data Structures & Algorithms, Problem Solving

Achievements

- Solved **400+ Data Structures and Algorithms problems** across LeetCode, Codeforces, and GeeksforGeeks, demonstrating strong analytical and coding proficiency.
- Ranked in the **top 2% among 1M+ candidates** in **JEE Main 2023**, reflecting exceptional academic excellence.