

Avesh Raj Singh

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[LinkedIn](#) — [GitHub](#) — [Portfolio](#)

SUMMARY

Full-Stack Developer and DevOps Enthusiast with a journey rooted in algorithmic excellence, having solved 200+ problems on LeetCode and GeeksforGeeks. Transitioned from competitive programming to building high-impact platforms, notably winning HackSphere 2K25 for rapid full-stack innovation. Expert in the MERN stack and Next.js, with a focus on integrating AI feedback loops and secure UPI payment systems. Proven leader as Co-founder of BitLinguals, dedicated to bridging the gap between core fundamentals and modern cloud-native deployment.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, HTML, CSS

Frameworks/Libraries: React, Next.js, Node.js, Express.js, Tailwind CSS

Cloud & DevOps: AWS (EC2, S3, Lambda, VPC, IAM), Terraform, Ansible, Jenkins

Databases/Tools: MongoDB, Firebase, PostgreSQL, Git, GitHub, Docker, Postman

Core Concepts: REST APIs, JWT Auth, Service Workers, Payments, AI Integration

KEY PROJECTS

typeDev — AI-Powered Performance Platform

October 2025

Next.js, Node.js, MongoDB, Groq AI, JWT

- Designed a full-stack typing application that utilizes Groq AI to provide personalized real-time user feedback and typing analytics like WPM and accuracy.
- Orchestrated a secure UPI payment gateway that features automated QR generation and administrative CSV reconciliation.
- Hardened application security using Helmet.js and rate limiting while implementing role-based access control via JWT.
- Optimized frontend responsiveness and offline capabilities through Service Workers and local storage caching.

SITCoders — Community Collaboration Hub

Aug 2025

React, Tailwind CSS, Express.js, MongoDB

- Spearheaded the development of a responsive user interface, engineering 25+ reusable components to streamline platform functionality.
- Manage complex application states using the React Context API to synchronize authentication and real-time API data.
- Developed comprehensive CRUD operations for resources and user profiles, improving community engagement.

EDUCATION

Sityog Institute of Technology

Nov 2022 – Jul 2026

Bachelor of Technology in Computer Science & Engineering (CGPA: 7.91)

Aurangabad, Bihar

Relevant Coursework: Data Structures & Algorithms, Design & Analysis of Algorithms, Computer Networks, Operating Systems, Object-Oriented Programming, Database Management Systems, Computer Organization & Architecture, Software Engineering.

Bhupesh Gupta Inter College

2018 – 2020

Intermediate in Science (PCM)

Kaimur, Bihar

ACHIEVEMENTS & LEADERSHIP

- **Winner, HackSphere 2K25:** Secured first prize (15,000) for excellence in rapid full-stack prototyping.
- **Lead, BitLinguals Coding Club:** Co-founded and mentored a student-led organization of 25+ peers.
- **Competitive Programming:** Successfully solved 200+ problems on LeetCode and GeeksforGeeks.