

# ARYAN TIWARI

## Software Developer

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### Summary

Highly driven Software Developer proficient in MERN stack, backend engineering, AI fundamentals, and distributed web systems. Strong experience in building scalable full-stack applications, managing technical teams, and integrating secure blockchain + Web3 components. Passionate about designing robust systems, solving complex problems, and delivering production-grade software—actively seeking opportunities at Microsoft and Amazon to contribute to high-impact engineering work.

### Skills

**Languages:** Java, JavaScript (ES6+), C, C++, Python (basic)

**Frameworks & Tools:** Node.js, Express.js, React.js, MongoDB, Mongoose

**Cloud & DevOps:** AWS (EC2, S3, Lambda, Route 53, RDS), Git, GitHub, CI/CD basics

**Core Expertise:** Backend Development, REST API Design, System Architecture, Data Structures & Algorithms, Problem Solving, Security Concepts, Social Engineering Fundamentals

### Experience

#### Full Stack Developer – Freelance & Academic Projects

2023 – Present

*Remote*

- Designed and deployed end-to-end MERN applications focusing on scalability, fault tolerance, and clean backend architecture.
- Worked with RESTful APIs, user authentication, JWT-based security, and real-time communication using Socket.io.
- Collaborated with frontend teams to deliver UI/UX-optimized features using React, Tailwind, and responsive design techniques.

### Projects

#### Alumni Management System (MERN + Three.js) | *Full Stack Development*

2025

- Developing a scalable MERN application using JWT authentication, role-based access, and optimized MongoDB schema design.
- Implemented Three.js-based UI components for interactive graphical elements and a modern visual experience.
- Designed API endpoints for alumni interaction, event posting, and secure data handling across user roles.

#### Portfolio Website (In Progress) | *Next.js / MERN*

2025

- Designing a professional-grade personal website inspired by Microsoft/Apple aesthetics with animations, projects, and resume integration.
- Planned features include dynamic content rendering, light/dark modes, CMS-driven updates, and a high-performance backend.

### Achievements & Leadership

- Selected as President of GFG Student Chapter for 2024–25, leading college-wide technical initiatives.
- Participated in the SMART India Hackathon, working on real-world problem solving and product development.
- Consistently strong academic performance across Software Engineering, DBMS, AI, DSA, and Networking subjects.
- Delivered workshops on AWS services, Web Development, and AI fundamentals for juniors.

### Education

#### B.Tech – Computer Science and Engineering

2023 – Present

*SRM Institute of Science and Technology, NCR Campus*

*Current Year: 3rd Year (CGPA: 8.03)*