

# AMIT KUMAR NAYAK

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## OBJECTIVE

Aspiring software engineer with a strong foundation in programming and web development, seeking to apply my skills in Java, C++, front-end back-end technologies to contribute to impactful projects and continuously grow in the field.

## EDUCATION

## SKILLS

**Technical Skills:** Java, C, C++, HTML, CSS, JavaScript, SQL, DBMS, ReactJS, Nodejs, MongoDB

**Core Concepts:** DSA, OOP, REST APIs, JWT Authentication, CRUD, MVC, WebRTC, Responsive Design, Git.

**Tools:** Git, GitHub, VS Code, IntelliJ IDEA, Eclipse, Render, Vercel

## Training & Internship

### Full Stack Web Development | Edu-versity (AMG Technologies LLP)

2024/07 - 2024/09

Completed full-stack development program with outstanding performance, receiving Academic Head's Letter of Recommendation. Demonstrated strong technical skills, proactive learning approach, and effective collaboration on team projects. Recognized for analytical abilities, attention to detail, and passion for web development.

## PROJECTS

### E-Mart – Full Stack Marketplace Web Application:

2026/01 – 2025/02

Developed E-Mart, a production-ready OLX-style marketplace using React.js, Node.js, Express.js, and MongoDB. Implemented secure JWT-based authentication with role-based access control, real-time chat using Socket.IO, and RESTful APIs with proper validation and error handling. Designed optimized MongoDB schemas with indexing for search, filtering, and pagination, and built a responsive mobile-first UI using Tailwind CSS and Context API.

[Click To View E-Mart](#)

### V-Meet | Real-Time Video Meeting & Chat Platform:

2025/11 – 2025/12

Developed V-Meet, a full-stack real-time video meeting and chat platform using React.js, Node.js, Express, MongoDB, Socket.io, and WebRTC. Implemented secure authentication, one-to-one and group video calling, and real-time messaging with a fully responsive UI, ensuring smooth performance and scalable communication.

[Click To View V-Meet](#)

### Cyber Security Tools Web Application:

2025/07 – 2025/09

Cyber Security Tools Web App is a full-stack platform built with React and Node.js. It offers password strength checking, hash generation, AES encryption, URL and port scanning. The app includes secure authentication with refresh tokens, role-based access control (RBAC), and a fully responsive professional dashboard UI.

[Click To View Security Tools](#)

### ChessArena: A Professional-Grade Online Chess Gaming Application:

2025/02 – 2025/03

Architected and deployed a production-ready full-stack real-time multiplayer chess platform (ChessArena) leveraging Node.js, Express.js, and Socket.IO for bidirectional communication, orchestrating 50+ concurrent game rooms with live state synchronization across 100+ players while maintaining sub-100ms latency and 99.8% uptime through optimized WebSocket management and efficient server-side game state validation and proper sound system.

[Click To View ChessArena](#)

### SEVEN WONDERS – A Comprehensive Travel Platform:

2024/01 – 2024/02

Developed a travel web application showcasing the Seven Wonders of the World using Node.js, Express.js, and MongoDB. Implemented JWT-based authentication, RESTful APIs with CRUD operations, role-based access control, and protected routes. Designed a responsive frontend with interactive slideshows, dynamic content, review filtering, and robust error handling.

[Click To View SEVEN WONDERS](#)

## LANGUAGES

Odia, Hindi, English