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

Tools

Notepad,VS Code, Eclipse, Intelij Idea Technologies/Frameworks: Linux, GitHub

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

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.   https://chess-2-jm3a.onrender.com

SEVEN WONDERS – A Comprehensive Travel Platform: 2024/01 – 2024/02

Developed a travel web application using Node.js, Express.js, and MongoDB showcasing the Seven Wonders of the World. Implemented secure user authentication with JWT and bcrypt, built RESTful APIs for user management and reviews with CRUD operations, and created role-based access control. Designed a responsive frontend with interactive image slideshows and dynamic content. Features include location-based review filtering, protected routes with authentication middleware, and comprehensive error handling.   https://the-7.onrender.com

Full-Stack Chat Application: 2023/06 –2023/08

Designed and deployed a full-stack chat application on Render using React, Express.js, and MongoDB. Implemented RESTful APIs, real-time communication with Socket.io, and a responsive UI to ensure a seamless user experience. Acquired hands-on expertise in front-end and back-end development, database management, and real-time data handling using modern web technologies.
https://chatapp-drt5.onrender.com

Quiz Master - Full-Stack Online Assessment Platform: 2023/09 – 2023/10

Created an online assessment platform with Node.js and MongoDB that streamlines quiz delivery for educational institutions. Features include secure JWT authentication, role-based portals for teachers and students, real-time quiz timer with auto-submission, and automated scoring across General, Aptitude, and Technical categories. Developed RESTful APIs for CRUD operations and implemented a competitive leaderboard system with responsive Tailwind CSS interface for seamless cross-device experience.
https://quiz-master-zoo7.onrender.com

LANGUAGES

Odia, Hindi, English