Aryan Kumar Rai

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LinkedIn   GitHub   LeetCode

Professional Summary

Aspiring Full Stack Developer with personal experience in building web applications using the MERN stack (MongoDB, Express.js, React, Node.js). Proficient in implementing secure user authentication using JWT and Bcrypt, and integrating frontend and backend systems seamlessly. Skilled in using Postman for API testing, Git for version control, and Tailwind CSS for responsive UI design. Passionate about writing clean, maintainable code and eager to contribute to collaborative development environments.

Technical Skills

- **Frontend:** HTML, CSS, Tailwind, JavaScript, React.js
- **Backend:** Node.js, Express.js, Next.js
- **Database:** MongoDB (Mongoose)
- **Authentication:** JWT, Bcrypt.js
- **Tools:** Postman, dotenv, CORS, Git, GitHub
- **Languages:** Python, Java, C++

Education

- **B.Tech in Computer Science & Engineering**, Raj Kumar Goel Institute Of Technology (2022–2026)
- **Senior Secondary (XII), CBSE**, Brij Bhushan Lal Public School, Bareilly – 74% (2022)
- **Secondary (X), CBSE**, Brij Bhushan Lal Public School, Bareilly – 84% (2020)

Projects

JWT Authentication Web App
- Built a full-stack user authentication system using Node.js, Express, MongoDB, and JWT
- Designed responsive login and registration forms using HTML, Tailwind CSS, and vanilla JavaScript
- Implemented secure user authentication with password hashing (bcrypt) and token-based sessions (JWT)
- Created modular Express routes for user operations and protected access to secure endpoints
- Utilized CORS handling and Postman for backend API testing and validation
- Managed session state on the frontend using local Storage and custom error handling
- GitHub Repo: JWT-authentication-web-app

User flow
- User Registration - User fills out the registration form.Backend receives the request, hashes the password, and stores user data.

- User Login - User enters credentials.Backend validates them and sends a JWT if correct.
- Token Storage - JWT is saved in localStorage on the client side.
- Protected Requests - Frontend includes the JWT in request headers.Middleware on backend verifies the token before allowing access to protected routes.
- Logout / Token Expiry - User can manually remove the token or wait for it to expire.

Certifications

- Microsoft – Introduction to Generative AI (2025)
- Oracle Certified Foundation Associate
- IBM – Artificial Intelligence Essentials V2
- MongoDB – Getting Started with MongoDB Atlas
- Coursera – C++ for C Programmers, Part A
- Udemy – Complete Full Stack Web Development Bootcamp

Extracurricular Activities

- Served on the Discipline Committee during RKGIT's Sports Fest, ensuring smooth event operations, enforcing rules, and maintaining order. Developed leadership, teamwork, and conflict-resolution skills while contributing to a successful and fair competition
- Participated in an electric car-making competition organized by the robotics club, contributing to the design, assembly, and testing of the vehicle. Gained hands-on experience in EV technology, teamwork, and problem-solving while competing with innovative student projects.
- Participated in a college drone-making competition where I collaborated with a team to design, build, and test a functional drone. Gained hands-on experience in aerodynamics, electronics, and teamwork while competing against other innovative projects. Get in the top 10 in the competition.Get in the top 10 in the competition
- Participated in a hackathon organized by Hack2Skill, collaborating with a team to develop an innovative tech solution under time constraint.Enhanced problem-solving, coding, and teamwork skills while competing with talented participants.

Achievements

- 100-day LeetCode streak
- ~630K global LeetCode rank
- Consistent DSA practice & growth in problem-solving skills