

Pavitra Pandey

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Rae Bareli, Uttar Pradesh, India

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

Skills

Languages: Java, JavaScript

Web Technologies: REST APIs, Spring Boot, React.js

Databases: MySQL, MongoDB

Tools & Platforms: Git, GitHub, IntelliJ, Postman

Projects

Electronic Store Backend

Java 21, Spring Boot, MySQL, Swagger

[GitHub Repository](#)

- Developed a modular, RESTful backend for an electronic store with JWT authentication and refresh token support.
- Integrated Spring Security with role-based access control and protected routes using JWT Bearer tokens.
- **User Module:** Register/Login, user roles, image uploads, and validation.
- **Category Module:** CRUD, cover image handling, and category-based product mapping.
- **Product Module:** Live product listing, search by category and price range, full CRUD.
- **Cart & Order Modules:** Add to cart, order placement, status tracking, and history.
- Implemented pagination, sorting, custom exception handling, and static file mapping.
- Integrated Swagger UI with OpenAPI for interactive API testing: `/swagger-ui/index.html`

Real-Time Chat Application

Spring Boot, React.js, MongoDB

[GitHub Repository](#)

- Full-stack chat application enabling real-time conversations with secure JWT-based login.
- Integrated WebSocket-based messaging and implemented end-to-end encryption.
- MongoDB indexing and pagination enhanced message delivery speed by 40%.
- Scaled backend to manage over 100 concurrent active sessions.

N-Queen Visualizer

HTML, CSS, JavaScript, DSA

[GitHub Repository](#) — [Live Demo](#)

- Developed an educational visualizer for the N-Queens problem from $n = 1$ to 10.
- Showcased recursive backtracking logic interactively to aid algorithm understanding.
- Designed a clean UI/UX interface optimized for performance using DOM manipulation.

Achievements

- Solved 200+ Data Structures and Algorithms problems on LeetCode.
- Regular participant in online coding contests (CodeChef, Codeforces).

Education

Feroze Gandhi Institute of Engineering and Technology, Rae Bareli

Bachelor of Technology in Computer Science

Expected: May 2026