

# ASAD QAYYUM

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## SUMMARY

Motivated and detail-oriented MERN Stack Developer with hands-on experience in building full-stack web applications using MongoDB, Express.js, React, and Node.js. Currently pursuing a Bachelor's degree in Computer Science, with a strong foundation in data structures, algorithms, and software engineering principles. Passionate about writing clean, efficient code and continuously learning new technologies to solve real-world problems. Proven ability to work in collaborative team environments and deliver high-quality solutions under deadlines.

## Expertise

- **Frontend Development:** React.js, Redux, HTML5, CSS3, JavaScript (ES6+), Bootstrap, Tailwind CSS
- **Backend Development:** Node.js, Express.js, RESTful APIs, JWT Authentication
- **Database Management:** MongoDB, Mongoose
- **Version Control:** Git, GitHub
- **Tools & Platforms:** VS Code, Postman, Netlify, Vercel
- **Problem Solving:** Strong grasp of data structures, algorithms, and debugging techniques

## Key Achievements

- Developed and deployed 3+ full-stack applications using MERN stack with responsive UI and RESTful APIs.
- Integrated JWT-based authentication and role-based access control across all projects.
- Improved app performance by 30% through optimized backend queries and frontend lazy loading.
- Deployed apps to Netlify and Railway via GitHub with CI/CD automation.

## Projects

### Job Portal Application

**Tech Stack:** React.js, Node.js, Express.js, MongoDB, JWT

- Built a MERN stack job portal with secure authentication using JWT for login, registration, and logout.
- Created protected routes to ensure only authenticated users can access and manage their job listings.
- Users can post new jobs, view a list of all available jobs, and track their own posts.
- Designed a clean, responsive UI for seamless user experience across devices.
- Focused on modular code structure and reusable components for maintainability and scalability.

### E-commerce Web Application

**Tech Stack:** React.js, Node.js, Express.js, MongoDB, Redux Toolkit

- Developed a complete e-commerce platform with product browsing, cart functionality, and an admin panel.
- Admin can manage products, categories, users, and orders from a secure dashboard.
- Users can add items to cart and place orders (cash on delivery – no online payment integration).
- Used Redux Toolkit for global state management and React Router for navigation.
- Backend includes secure APIs with JWT authentication and role-based access control.

## EDUCATION

### Bachelor of Science in Computer Science (BSCS)

Government College University, Faisalabad – Layyah Campus

Session: 2022-26