Uzair Kashif

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EDUCATION

University of Lahore — Lahore, Pakistan

Bachelor of Science in Computer Science, CGPA: 3.3/4.0 — *2022 – 2026*

- Academic Scholarship: 15% merit-based scholarship (2022-2026)
- Relevant Coursework: Data Structures & Algorithms, Database Systems, Software Engineering, Web Development

TECHNICAL SKILLS

Languages: JavaScript (ES6+), C++, SQL, HTML5, CSS3
Frontend: React.js, React Native, EJS, Responsive Design, Bootstrap, Tailwind CSS
Backend: Node.js, Express.js, RESTful APIs, Socket.IO, Authentication (JWT, bcrypt)
Databases: MongoDB, MySQL, Firebase Realtime Database, NoSQL, SQL Query Optimization
Developer Tools: Git, GitHub, VS Code, Postman, npm, Chrome DevTools, Linux/Unix
Concepts: Full-Stack Development, Real-Time Communication, MVC Architecture, Agile/Scrum

PROJECTS

Real-Time Multiplayer Chess Application | *Node.js, Express.js, Socket.IO, Chess.js, EJS*

- Engineered a scalable real-time multiplayer chess platform supporting concurrent matches with private room functionality and spectator mode, serving multiple simultaneous users
- Implemented WebSocket-based bidirectional communication using Socket.IO for instant board state synchronization with sub-100ms latency, ensuring seamless user experience
- Developed comprehensive game logic including move validation, turn management, check/checkmate detection, and special moves (castling, en passant) using Chess.js library
- Architected room-based session management system with unique game IDs, player authentication, and real-time player presence tracking

Barcode Inventory Management System | *Node.js, Express.js, MongoDB, bcrypt, EJS, bwip-js*

- Built a full-stack web application automating uniform inventory tracking through barcode generation and scanning, reducing manual data entry errors by 85% and improving operational efficiency
- Designed and implemented RESTful API with MongoDB for CRUD operations, managing inventory lifecycle from procurement to delivery with complete audit trail functionality
- Created dynamic dashboard with real-time analytics providing actionable insights on stock levels, delivery status, and inventory turnover metrics
- Integrated secure authentication system using bcrypt for password hashing and session management to ensure data security and role-based access control

LEADERSHIP & ACHIEVEMENTS

Chess Tournament Representative — Jan 2025

DAIRA 2025 (FAST University Faisalabad) – Inter-University Competition

- Represented University of Lahore in prestigious inter-university chess tournament, advancing to quarter-finals among 50+ participants from leading universities
- Demonstrated strategic problem-solving, analytical thinking, and performance under pressure—skills directly applicable to software engineering challenges

Merit Scholar — 2019 – 2026

Academic Excellence Recognition

- Awarded 50% merit-based scholarship at Kips Colleges (2019-2021) for outstanding academic performance
- Recipient of 15% merit scholarship at University of Lahore (2022-2026) recognizing consistent academic achievement

CERTIFICATIONS

React Native Mobile Development | *Meta via Coursera* — 2026
Complete MERN Stack Development | *Knowledge Gate* — 2025