

Wasee Ur Rehman

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SUMMARY

A detail-oriented Software Engineering student, with expertise in full-stack development and AI engineering. I am eager to apply my problem-solving skills to implement robust, data-driven solutions in a hands-on technical role.

EDUCATION

National University of Computer and Emerging Sciences (FAST) Lahore, Pakistan
Bachelor of Science in Computer Software Engineering, GPA: 3.45/4.0 Expected June 2026

- Honors: Dean's List Merit Award (Spring 2024), Quaid-e-Azam Scholarship (Top 10 in Board)
- Coursework: Data Structures, Algorithms, Database Systems, Object-Oriented Programming, Machine Learning
- Certifications: Data Engineering Fundamentals (IBM), Algorithmic Toolbox (UC San Diego)

EXPERIENCE

AI Engineering Intern July 2025 – August 2025
EntropyandCo Lahore, Pakistan

- Architected stateful multi-agent systems using LangGraph, improving automated task efficiency by 35%.
- Developed and secured the core backend infrastructure with Django, designing REST APIs to manage agent communication, data exchange, and lifecycle.
- Deployed scalable AWS data pipelines (S3, Lambda, Step Functions), reducing data processing times by 50% compared to previous manual methods.

Database Systems Teacher Assistant August 2024 – Present
FAST-NUCES Lahore, Pakistan

- Mentor 200+ undergraduate students in advanced topics including SQL, database design, normalization, and query optimization.
- Lead weekly collaborative problem-solving sessions and provide one-on-one guidance on complex, data-driven projects, highlighting effective communication skills and teamwork in both group and individual settings.

Software Quality Engineering Intern June 2024 – September 2024
Ultra Codes Pvt Ltd Lahore, Pakistan

- Authored end-to-end automation scripts using Cypress and Selenium for key testing scenarios, reducing regression testing time by 40%.
- Executed multiple API test cases in Postman, identified critical backend bugs, and created technical documentation while strengthening my debugging skills.
- Applied core STLC principles in an Agile environment, helping to accelerate the bug resolution lifecycle by 25%.

PROJECTS

DarziXpress | *React, Redux, Node.js, Express, MongoDB, Socket.io, TailwindCSS* May 2025 – June 2025

- Developed a full-stack e-commerce platform to connect users with local tailors for custom clothing services.
- Implemented a real-time chat system with Socket.io for user-tailor communication and an admin panel for platform management, reducing support response time by 60%.
- Features include user/tailor profiles, custom order placement with measurement inputs, and real-time order status tracking.

TicketWala | *React, Node.js, Express, Nodemailer, MS SQL* April 2024 – June 2024

- Engineered a bus ticket management system featuring search, booking, and dynamic ticket generation.
- Implemented an automated email confirmation using Nodemailer, reducing manual processing delays by 80%.
- Designed and built RESTful APIs for managing bookings and user data, with a responsive front-end built in React.

TECHNICAL SKILLS

Languages: Python, Java, JavaScript/TypeScript, SQL, C++, HTML/CSS
Frameworks & Libraries: React, Node.js, Express, Django, Next.js, Redux, Cypress, JUnit, Pandas, Socket.io
Developer Tools & Platforms: Git, Docker, AWS (S3, Lambda, Step Functions), REST APIs, PostgreSQL, Postman, MongoDB, MS SQL, SQLite, MySQL