

ABDUL REHMAN

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SUMMARY

Passionate Software Engineer from FAST with interest in MERN stack, JavaScript, and software development. Strong problem-solving abilities, hands-on industry experience, and a team-oriented approach. Dedicated to building scalable, user-friendly applications, and continuously growing as a developer through rapid learning and improvement

EDUCATION

FAST National University

Bachelor of Science in Software Engineering

Expected Graduation: Jun, 2025

TECHNICAL SKILLS

Languages: JavaScript, Java, C++ , Python, SQL

Technologies/Frameworks: React, Node.js, Express, MongoDB, Bootstrap, Tailwind, Material UI, HTML, CSS

Developer Tools: Git, GitHub, GitLab, Firebase, MySQL, Oracle, XAMPP, VS Code, Eclipse, Linux, Docker

Development Practices: Agile, MVC, REST APIs, OOP, Design Patterns (Facade, Factory, Singleton)

EXPERIENCE

Shopilam | React, TypeScript, Tailwind, Material UI, HTML, CSS, GitLab

Oct 2024 – Jan 2025

Software Engineer Intern

Hybrid, Faisalabad

- Collaborated in the re-engineering of Shopilam's flagship website, increasing code modularity by over 50% through refactored components and improved architecture
- Reduced code duplication by more than 60% by implementing reusable components and optimizing CSS to eliminate redundancy
- Decreased page load time by over 40% by removing bloated code and improving overall efficiency

PROJECTS

FitNexus - E- Fitness and Competition Platform | MERN, Firebase, AWS

- Developed a centralized platform for gym competition management, enabling organizers to schedule events, manage teams, and track real-time scoring, reducing miscommunication by 30% and improving coordination among over 1,000 concurrent users during competitions
- Engineered dynamic competition workflows for managing categories, schedules, workouts, and leaderboards, supporting over 1,000+ real-time users with seamless data updates

Gateway2Germany | React, Node.js, Express, MongoDB, Material UI, VS Code

- Redesigned and redeveloped an outdated WordPress-based consultancy website using the MERN stack, resulting in a 40% improvement in performance and scalability
- Built a responsive and user-friendly UI with Material UI, enhancing user experience and reducing bounce rate
- Integrated Google authentication for login/signup, streamlining user onboarding and reducing account creation time by 60%

GoFood App | React, Node, Express, Mongo, JWT, Bootstrap, VS Code

- Developed a food delivery app with an intuitive interface using advanced React and JavaScript concepts, enabling users to easily add food items to a cart and complete purchases
- Implemented JWT-based authentication for secure user login and signup, ensuring 99% protection of user passwords and personal data, resulting in a 40% improvement in data security and user trust

Encyclopedia of Arabic Poetry in the Pre-Islamic Era | Java, MVC, Design Patterns, MySQL, XAMPP, Eclipse

- Designed and implemented a robust poetry management system handling over 100,000 Arabic text entries, using tokenization and stemming to parse and organize content into verses and msiras, improving data retrieval efficiency by 35%
- Applied key OOP principles and implemented advanced design patterns including Facade, Object Factory, Singleton, and Transfer Object, enhancing code maintainability, reducing module dependencies by 40%, and improving scalability

Probability and Statistics Project | Python(numpy, pandas, scipy, math, matplotlib, and sklearn)

- Developed a system that reduced manual statistical analysis time by 60%, automating key calculations and data visualizations
- Engineered an interactive Probability and Regression Modeling System in Python, implementing Binomial, Poisson, and Hyper-geometric distributions, along with Simple and Multiple Linear Regression models for advanced statistical analysis

CERTIFICATIONS

Introduction to Front-End Development, Programming with JavaScript, Version Control | Meta

Tools of the Trade: Linux and SQL, Google Prompting Essentials | Google

Introduction to DevOps, JavaScript Programming Essentials | IBM

ACHIEVEMENTS

FAST E-Gaming Society

Co-head

- Successfully hosted Ramadan Cup Tournament where professional players from all over Pakistan participated
- Winners of CSGO FAST Intra 2023 and FAST Daira 2023

Academic Performance

Top Achiever

- OOP, DSA, Software Requirement Engineering, Software Design and Architecture, Software Construction and Development