

SALEEM AHMED

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SUMMARY

Computer Science student seeking an entry-level Full-Stack Developer role. Experienced in building responsive front-end interfaces with React and developing secure, scalable back-end APIs using Node.js and .NET Core. Strong foundation in database management and object-oriented programming, with a passion for writing clean, maintainable code.

EDUCATION

Bachelor of Computer Science | Ziauddin University, Karachi Jan 2023 – Dec 2026

TECHNICAL SKILLS

- **Frontend:** React, JavaScript, HTML, CSS
- **Databases:** MongoDB, MySQL
- **Backend:** Node.js, Express.js, C#, .NET Core, REST APIs
- **Tools:** Git, GitHub, Docker, Vercel

EXPERIENCE

IT Intern - Database Management | Lucky Textile Mills Jan 2026 – Feb 2026

- Optimized SQL queries and stored procedures to improve data retrieval speeds and overall database efficiency.
- Applied database validation rules and role-based access control (RBAC) to ensure data integrity across enterprise workflows.
- Assisted in structuring internal reporting systems, which improved the stability and speed of daily report generation.

PROJECTS

VisualJaundice (Final Year Project) | React, Node.js, Express, MongoDB, Python

- Architecting a full-stack medical application using the MERN stack to securely manage user authentication and patient data flow.
- Developing a dedicated Python microservice to process medical images and execute high-speed CNN-based inference for neonatal jaundice detection.
- Implementing a decoupled microservice architecture to seamlessly connect the React frontend, Node.js API, and the Python AI inference engine.

E-Commerce Backend & Auth API | Node.js, Express, MongoDB

- Developed REST APIs for authentication, product management, and order processing using Node.js, Express.js, and MongoDB.
- Implemented JSON Web Tokens (JWT) and RBAC to securely manage user sessions and API endpoint permissions for Admin, Manager, and User roles.
- Utilized a layered architecture separating controllers, services, and data access layers to improve code maintainability.

SmartShop Inventory System | .NET Core, EF Core, SQL

- Engineered an inventory management system utilizing Minimal APIs, reducing routing overhead and improving response times.
- Implemented EF Core migrations to ensure reliable database schema versioning across interconnected tables.

Client Portfolio (Arnold Mallory) | React

- Developed and optimized a dynamic, responsive front-end React interface for a freelance client, achieving a 92% Lighthouse performance score.

CERTIFICATIONS & PUBLICATIONS

- **Publications:**
 - *Integrating Neural Quantum States and Distributed Networks: A Schrodinger-inspired Analysis of QKD and DARPA Network Data* (The Progress Journal, Nov 2025)
 - *Hybrid Frameworks for Detecting and Preventing SQL Injection Attacks* (Zenodo, Nov 2025)
- **Certifications:** Microsoft (Back-End Development with .NET, Security & Authentication, Database Integration) | Oracle (APEX Foundations)