

M. Taimoor Azim Ansari

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EDUCATION

Habib University Karachi, Pakistan

Computer Science, BS May, 2025

- GPA: 3.76, Dean's List Spring 2022
- Courses: Data Structures & Algorithms, Object Oriented Programming, Algorithm Design & Analysis, Artificial Intelligence, Introduction to Large Language Models, Software Engineering
- Natural Science Club, Computer Science and Engineer Club

WORK EXPERIENCE

Site Service Software Inc.

Software Engineer

Jamison, PA

August 2024 - Present

- Led efforts in migrating a complex React and Spring Boot-based application from outdated Dexterity software to robust Microsoft Azure infrastructure; ensured seamless transition that improved system reliability for more than 1,000 active users.
- Planned and Programmed complex system features, including a lock mechanism for data concurrency and integrity, improving system stability for a user base of over 1,000.
- Optimized client-side APIs, reducing downtime and load times by 30%, which enhanced the user experience and decreased server load by 20%.
- Contributed to the development of a modern, responsive frontend, boosting UI/UX and increasing user engagement by 25%, ensuring a smoother experience across mobile and desktop platforms.
- Assisted in database modeling supporting a 40% increase in transaction volume after migration.
- Managed the branching strategy, implementing a custom Git flow to streamline development workflows and reduce deployment errors by 25%, ensuring the product met user expectations.
- Streamlined the codebase by implementing configuration files for modular settings, reducing component modification and integration time by 35%.
- Mentored junior developers and interns, supporting their onboarding, conducting peer code reviews, and maintaining high coding standards, reducing bugs by 20%.
- Participated in code reviews with lead developers, identifying bugs, improving code quality, and optimizing application performance, resulting in a 20% reduction in critical bugs post-release.

Site Service Software Inc.

Full-Stack Development Intern

Jamison, PA

July 2024 - August 2024

- Contributed to the development and optimization of the flagship ERP system, with a focus on enhancing the Authentication and Call Center functionalities.
- Identified and resolved a critical, long-standing bug affecting the authentication process, specifically in the login flow, which led to security vulnerabilities. This fix improved the login success rate by 40%, leading to an offer for a full-time Software Engineering position.
- Implemented OAuth 2.0 verification by seamlessly integrating Twilio for OTP-based authentication, which enhanced security and reduced verification errors by 30%.
- Introduced reusable ReactJS components, utilizing React Hooks and Functional Components, which improved the maintainability of the codebase and made it easier to add new features.

Mindstorm Studios
Game Programming Intern

Lahore, Pakistan
June 2023 - July 2023

- Programmed 2 hyper-casual mobile games using Unity, improving user engagement by 15%.
- Spearheaded the design and execution of core gameplay loops for two mobile games, enhancing overall user engagement through refined mechanics resulting in a 15% increased player retention.
- Designed the user experience flow, ensuring intuitive navigation and smooth gameplay progression.
- Programmed game logic using C# and optimized code for performance.

SKILLS & CERTIFICATIONS

Frontend: HTML, CSS/SCSS, Bootstrap, TailwindCSS, React-Strap, Material-UI, ReactJS, Next.JS

Backend: Spring Boot, NodeJS, Express, React-Native, Android Studio

Databases: SQL Server, SQLite, MongoDB/Mongoose, Firebase

Programming Languages: Java, JavaScript, Typescript, C#, Python, C/C++

Version Control: Git and GitHub

Game Engine: Unity 2D/3D

Machine Learning Tools: PyTorch, HuggingFace Transformers, Scikit-learn, spaCy; familiar with supervised learning techniques, fine tuning LLMs

Certifications:

- [*Supervised Machine Learning: Regression and Classification*](#)
- [*Introduction to Python, Intermediate Python*](#)
- [*JPMorganChase - SWE Virtual Experience*](#)

PROJECTS

The Burger Bar

A full-stack restaurant ordering system that improves order processing efficiency by 25%. Integrated Stripe API for payments and Google Maps API for location services.

Technologies: React, TailwindCSS, Node.js, Express, MongoDB, Stripe API, Google Maps API

Appointment

An appointment management system that reduces scheduling time by 20%. Implemented Meldable Heaps for task prioritization, optimizing system efficiency.

Technologies: React.js, TailwindCSS, Firebase, JavaScript

MedFinder

An Android app that helps users find nearby hospitals and clinics with a rating system to improve healthcare accessibility.

Technologies: React Native, Flask, Firebase, Google Maps API

Alt Academy

A student management system that enhances database management and querying capabilities using .NET and SQL.

Technologies: .NET, Microsoft SQL, C#

Have-A-Seat

A desktop MVP for a university carpooling application. Integrated Dijkstra's algorithm for optimal pathfinding, improving route efficiency.

Technologies: Python, Tkinter, Firebase