Mohammed Faizaan Khan Zubair Khan

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LinkedIn | GitHub | Portfolio Website

EDUCATION

Binghamton University, SUNY | Watson College of Engineering and Applied Science **August 2021 - May 2023**
Master of Science in Computer Science
Relevant coursework: Cloud Computing, Database Systems, Design Patterns, Design and Analysis of Algorithms, Programming Languages, Computer Architecture, Operating Systems, Data Mining, Machine Learning

Anna University, India **August 2015 - May 2019**
Bachelor of Engineering in Electrical and Electronics Engineering
Relevant coursework: Computer Programming, Object Oriented Programming, Data Structures, and Algorithms

TECHNICAL SKILLS

Programming Languages:	C#, Python
Mobile development:	Xamarin Forms(Native iOS and Android), MVVM methodology, Swift, Xcode
Web development:	HTML, CSS, JavaScript, JSON, React,
Database:	SQL, Microsoft SQL Server, REST
Library/ Frameworks:	Django, Flask, ASP .Net Core, Entity Framework
Software tools:	Visual Studio 2019, VS Code, Jupyter Notebook, Git
Familiar with:	C, SQLite, Postgres, MongoDB, Azure

PROFESSIONAL EXPERIENCE

Syncfusion | Chennai, India **November 2019 - July 2021**
Software Engineer
- Contributed to the development of **UI/UX** for **Android**, **iOS**, and **Windows** applications
- Developed a Windows application with administrative access to maintain all client data using Xamarin Forms, resulting in improved customer data organization and accessibility
- Designed backend in Azure with **SQL Server** to store client data, authentication, and blob links
- Improved page transition time by 34% through the remodeling of view functions and APIs, enhancing user experience
- Engineered camera, audio recorder and player modules using Android SDK, iOS SDK, and WPF SDK
- Implemented **REST APIs** for client interaction and data access with .**Net Core** and **Entity framework**
- Collaborated with a scrum team to manage projects and work with clients using JIRA
- Participated in a hackathon to build an application to help the pantry's food and waste management

PROJECTS

Students Registration System **April 2022**
- Created a student management system working with a team of three using Java and **PL/SQL** scripts
- Tested the scripts to maintain relational integrity and data dependency between all tables in the system

Predicting Income of US Citizens based on Demography **November 2021**
- Performed Feature Engineering on the 1994 United States Census Bureau dataset using **Scikit-Learn**
- Predicted and classified income with **Random Forest**, **K-Nearest Neighbors**, and **SVM** algorithms
- Achieved an average efficiency/accuracy of 83.97% for the three Machine Learning algorithms

Knit Store Inventory System Mobile Application **July 2021**
- Planned and developed the **UI/UX** of the inventory management application using **Xamarin Forms**
- Implemented a local database using **SQLite** to store data on a private device, enabling offline data access
- Engineered inventory analysis modules to help clients make an informed decisions and optimize operations by 42%
- Integrated a graph module for product data visualization using Microcharts.Forms, saving 75% of the client's time

Bug Tracking Web Application **May 2020**
- Designed a bug tickets and complaints tracking system using **Django REST** Framework
- Built a UI/UX similar to a project management tool for the client to keep track of ticket status

Pizza Ordering Web Application **April 2020**
- Created a website for custom pizza ordering using **Django**, **JavaScript**, and **MySQL**
- Incorporated admin system to track orders using **Django Admin**, simplifying order tracking and management
- Established a user authorization using user authentication in Django, ensuring secure and private user information

Messaging Web Application **March 2020**
- Developed a synchronous web messaging application with **SocketIO** and **Flask**, that offers group messaging and collaboration features, with a user-friendly, easy-to-navigate interface