

# Mohammed Faizaan Khan Zubair Khan

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[LinkedIn](#) | [GitHub](#) | [Portfolio Website](#)

## EDUCATION

### Binghamton University, SUNY

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, Swift

**Mobile development:** Xamarin Forms(Native iOS and Android), SwiftUI, Xcode, MVVM methodology

**Web development:** HTML, CSS, JavaScript, React, .Net, Entity Framework, Django, Flask, JSON, REST API

**Database:** SQL, Microsoft SQL Server

**Software tools:** Visual Studio 2019, VS Code, Git, Jupyter Notebook

**Familiar with:** C, MySQL, SQLite, Postgres, MongoDB, Azure

## PROFESSIONAL EXPERIENCE

### Syncfusion

November 2019 - July 2021

*Software Engineer*

Chennai, India

- Contributed to developing **UI/UX** components for **Android**, **iOS**, and **Windows** applications based on requirements
- Developed a full-stack Windows application with administrative access to maintain and manage all user data using Xamarin Forms and .Net, resulting in improved customer data organization and accessibility
- Designed backend in **Azure** with **SQL Server** to store client data along with blob links and authentications
- Improved page transition time by decreasing page load time by **34%** through the optimization of view functions and APIs
- Engineered native features such as geolocation services, push notifications, camera module, audio recorder, and player to enhance app functionality using Android SDK, iOS SDK, and WPF SDK
- Implemented **REST APIs** for communication of modules with the backend using **.Net Core** and **Entity framework**
- Conducted unit testing using the **MSTest** framework to ensure test-driven development and quality of the code
- Collaborated as a scrum team member utilizing **GitLab** for version control, agile methodology, and **JIRA** to ensure effective teamwork and deliver high-quality software products on time
- Participated in a hackathon to build a **React** application to help food pantry manage their inventory and resources

### Knit Store

February 2021 - July 2021

*Software Engineer (Part-Time)*

Chennai, India

- Planned and developed the UI/UX of the inventory management application using **Xamarin Forms**
- Implemented a local database using **.NET** and **SQLite** to store data on a private device, enabling offline data access
- Engineered inventory analysis modules to help the business make informed decisions and optimize operations by **43%**
- Integrated a graph module for product data visualization using Microcharts.Forms, saving **75%** of the end user's time

## PROJECTS

### Live Chat Web App with Microservices

April 2022

- Developed a scalable two-tier live chat website using Python Flask, JavaScript, SocketIO, and jQuery
- Hosted live messaging microservice through containerization with Docker, deployed on the cloud using Kubernetes
- Implemented chat message persistence using MongoDB, allowing users to view chat history and join the conversation

### Student Registration System

April 2022

- Developed a student management system using **Java** for GUI and **PL/SQL** to enable efficient CRUD operations
- Ensured data consistency and maintained relational integrity among seven tables by testing all PL/SQL scripts

### 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

### Ticket Management System

May 2020

- Developed a Django web application for ticket management with different access levels for users and managers
- Created secure login, registration, and authentication features using **Django Admin** and **Django REST framework**
- Implemented UI/UX and integration with the back end using **HTML**, **CSS**, and **JavaScript** to ensure optimal functionality