

Mohammed Faizaan Khan Zubair Khan

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EDUCATION

Binghamton University, SUNY | Watson College of Engineering and Applied Science **Expected December 2022**

Master of Science in Computer Science

Coursework: Machine Learning, Operating Systems, Cloud Computing, Database Systems, Computer Architecture, Design and Analysis of Algorithms

Anna University, India

August 2015 - May 2019

Bachelor of Engineering in Electrical and Electronics Engineering

TECHNICAL SKILLS

Database: Microsoft SQL Server, ASP .Net.Core, Entity Framework, SQL
Web Development: HTML5, CSS3, JavaScript, Bootstrap, Django, Flask
Mobile: Xamarin Forms, Xamarin.Android, Xamarin.iOS, Model View ViewModel design pattern
Languages: C#, Python, C, C++
Software: Visual Studio 2019, VS Code, Jupyter Notebook, Android Studio, Git

PROFESSIONAL EXPERIENCE

Syncfusion Software Private, Software Engineer | Chennai, India **November 2019 - July 2021**

- Built UI/UX for Android and iOS by collaborating with the Design team using **Xamarin Forms** to deliver clean applications for the clients
- Developed a Windows application to track mobile clients using **Xamarin Forms** which improved the testing time of the mobile application APIs by 18%
- Designed backend for application in Azure using **SQL Server** for storing media files using blob links, client data, and client authentication
- Reduced the page transition time by 13% by remodeling the view functions
- Engineered a camera module for photo and video recording, and an audio recorder and audio player inside the application using Xamarin.Android and Xamarin.iOS
- Implemented APIs for the client to access and interact with the data in the application with the Entity framework
- Redesigned the models and APIs to fetch necessary client data for the page which improved the APIs fetch time by 21%
- Worked as part of a scrum team to collaborate with teammates and clients with the Jira project management tool gaining experience with Scrum/Agile methodologies

PROJECT EXPERIENCE

Predicting the Income of US Citizens based on Demography | Binghamton, NY **September 2021 - December 2021**

- Performed Feature Engineering on 1994 United States Census Bureau dataset for data preparation using Scikit-Learn
- Predicted and classified income by utilizing **Random Forest, K-Nearest Neighbors, and Support Vector Machines**
- Achieved an average efficiency of 83.97% for the three Machine Learning algorithms

Knit Store Inventory System Mobile Application | Chennai, India **May 2021 - July 2021**

- Planned and developed the UI/UX of the application using **Xamarin Forms** to manage the company's inventory
- Implemented a local database in mobile using **SQLite** enabling the client to store data on a private device
- Engineered modules that help analyze the inventory data and allow the client to filter data according to their needs with the ViewModel approach, which reduced implementation time by 25%
- Integrated a graph module to visualize the product data using Microcharts.Forms plugin, saving 30% of client's time

Bug Tracking Web Application | Chennai, India **May 2020**

- Designed a web system that allows users to register bug tickets and complaints using **Django REST Framework**
- Built a UI for the client to keep track of and update the ticket status
- Shaped a miniature project management tool that can help in monitoring customer queries

Pizza Ordering Web Application | Chennai, India **April 2020**

- Created a shopping website using Django, JavaScript, and MySQL which allows registered users to order custom pizzas
- Incorporated an admin system so the pizza shop can track all the orders from their customers using **Django Admin**
- Established a user authorization between customer and admin using User authentication in Django

Messaging Web Application | Chennai, India **March 2020**

- Developed a synchronous web messaging application with **SocketIO** and **Flask** having group messaging and collaboration features and modules

Book Review Web Application | Chennai, India **February 2020**

- Integrated the **Goodreads API** using **SQLAlchemy** and **Flask** to enable users to search and view book details, also adding features for users to add reviews for books

CAMPUS INVOLVEMENT

HackBU, Member | Binghamton, NY **September 2021 - Present**

- Attend weekly workshops covering topics such as web development, mobile development, machine learning