

Muhammad Bilal

Software Engineer

✉ bilalmalik746429@gmail.com

☎ 03038043790

📍 Khalid Bin Waleed Hall Punjab University Old Campus Lahore

🌐 linkedin.com/in/-bilal-malik

🐙 github.com/bilalmalikkk

🎓 EDUCATION

Bachelors in Software Engineering

Punjab University College of Information and Technology(PUCIT)
2020 – 2024 | Lahore

Intermediate FSc. Pre-Engineering

Punjab Group of Colleges
2018 – 2020 | Multan

🏢 PROFESSIONAL EXPERIENCE

Teacher Assistant

Punjab University College of Information and Technology
• Web Development

Freelancer

Offering a diverse range of services in multiple programming languages including C/Cpp,C#,Python,Java,React

💻 LANGUAGES

- C & Cpp
- Python
- Java
- C#
- Kotlin

🏆 CODING COMPETITIONS

Softec-22

Conducted by Fast University
Lahore

PUCON-23

Conducted by PUCIT
Lahore

📁 PROJECTS

Realtime Food Truck(FYP)

Flutter, Node.js, PostgreSQL

- Designed the Entity-Relationship Diagram (ERD) for the PostgreSQL and developed RESTful APIs using Node.js.
- Designed the user interface (UI) for the application using Figma and created the frontend application using Flutter.
- Utilized Redis for caching to optimize data retrieval and improve application performance.
- Planned to implement real-time location tracking using Firebase snapshot,integrate Google Maps for location tracking and implement a review system for user feedback.
- Planned to integrate a secure payment system to facilitate transactions within the application

Mess Management Sytsem

Python Flask,HTML,CSS,JQuery,MongoDB

- Our project focuses on building an online mess maintenance systemutilizing HTML, CSS, and JavaScript for frontend development, with Flask handling backend functionality.
- We enhance interactivity with jQuery and ensure data management through MongoDB, providing a comprehensive solution for managing mess related tasks efficiently.

Online Banking System

My SQL

- Our Database Management project involves the implementation of CRUD(Create, Read, Update, Delete) operations using a MySQL database.
- Through that project, we aim to create a system for managing data efficiently, ensuring seamless handling of various tasks such as data entry,retrieval, modification, and deletion. By leveraging MySQL, we ensure reliability and scalability in handling diverse data management needs.

Binary Classification/Multi Classification

NumPy,h5py,Matplotlib

- Our Machine Learning project focuses on classification tasks, leveraging essential libraries such as NumPy, h5py, and Matplotlib.
- Utilizing NumPy enables efficient numerical operations and array manipulations, while h5py facilitates seamless integration with HDF5 data format for dataset handling.
- Matplotlib is employed for visualizing data distributions and model performance metrics. Through this project, we aim to implement various classification algorithms, evaluate their performance, and deploy the most effective model for accurate predictions.

Image Filtration

Python,NumPy,Matplotlib

- Our Machine Learning project aims to develop a sophisticated image filtration system using Python modules like NumPy and Matplotlib.
- Leveraging NumPy enables efficient manipulation and processing of image data, while Matplotlib facilitates visualization for intuitive understanding of filtration results.

🏠 ORGANIZATIONS

PUCIT Sports Society

President

- As the head of the vibrant sports society at Punjab University College of Information and Technology, I take pride in leading a dynamic team of sports enthusiasts.