

Bilal Aziz

Software Engineer

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Education

UMT – University of Management and Technology, BS Computer Science

2020 - 2024

Relevant Coursework: Object-Oriented Programming, Data Structures & Algorithms, Operating System, Database, Web Application, Information Security, Artificial Intelligence, **Machine Learning, Data Science Technologies, Data Mining**, Cloud Computing.

Technical Skills

Web Interface and Development	Python, React JS, CSS Frameworks (Bootstrap)
Database Management	SQL/MySQL
Server - side Development	JavaScript, AJAX
Other Skills	Git/GitHub, Weka tool, VS Code, emu8086, Web scraping

Professional Experience

Web Development – Internship

July 2023 - Sept 2023

Reported

- Enhanced user interfaces using HTML, CSS, and Bootstrap, ensuring responsive and visually appealing designs.
- Implemented dynamic and interactive features using React.js, transforming static pages into rich, user-friendly web applications.
- Integrated RESTful APIs to fetch and display data dynamically, enhancing the functionality and interactivity of web pages.
- Participated in UI design discussions, contributing to the conceptualization and technical execution of front-end components.

Projects

Library Management System

A Library Management System is a software application designed to manage and automate the operations of a library, including book cataloging, inventory management, and user transactions.

- Developed a comprehensive management system for a university library to efficiently handle book inventories and transactions.
- Designed and implemented core functionalities using C++, ensuring robust performance and reliability.
- Utilized object-oriented programming principles to create modular and maintainable code, incorporating classes and data structures for effective data management.

EZ Park – Mobile Application

<https://github.com/bilalaziz098/EZ-Park>

EZ Park is a mobile application developed using React Native, Clerk, Firebase, and Google Maps API. The application provides users with real-time information on available parking spots near their location. Key features include:

- **Location-based Parking Spot Finder:** Displays nearby parking spots using Google Maps API.
- **Homeowner Rental System:** Allows homeowners to rent out their garages or parking spaces.
- **Mall Parking Reservation:** Enables users to reserve parking spots at malls for specific time periods.

Courses and Certificates

- **PNY Training** - Full Stack Web Development Course
- Automate the Boring Stuff with Python
- **Udemy** 100 Days of Code: The Complete Python Pro Bootcamp

Extra-Curricular Activities

UMT | Usher & Team Manager | Milkar Foundation

Oct 2021 - Feb 2022

- Successfully managed and executed various events while collaborating with a diverse team, and actively engaged in community service projects including education, environmental initiatives, and awareness campaigns.