

Abdul Rehman

SOFTWARE ENGINEER

Comsats Lahore, Pakistan

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Summary

Highly analytical and results-driven Software Engineer with hands-on experience in C, C++, C#, Java, Python, React-Native, Salesforce. Experienced in Object Orientated Programming, Databases, Machine Learning, Game Development, Mobile and Web Development. Excellent inter-personal skills, having lead multiple Executive Committees in educational institutes and Non-profit organizations.

Academic Projects

Food Ordering System

COMSATS

- Database schema normalisation, designed 1NF, 2NF, and 3NF normalised schema for the project.
- Used Microsoft Visio to develop 2 level Data Flow Diagram to represent data stream of the entities involved.
- Developed the use-case diagram to describe the high-level functions and scope of a system on Microsoft Visio.
- Made database tables using Microsoft SQL to store data related to the finalised objects in the 3NF normalisation.
- Created stored procedures to avoid repetitive queries across platform.
- Implemented multiple triggers for automated financial calculations.
- Designed multiple views to improved security and for data abstraction.

Movie Ticket Management System

COMSATS

- Made customer and admin module to handle the reservation and management respectively.
- Implemented separate data models for customer and admin modules.

Breast Cancer Detection

COMSATS

- Analysed the performance of different machine learning models to find the optimal one.
- Classifiers used for the project were GaussianNB, DecisionTreeClassifier, RandomForestClassifier, AdaBoostClassifier, GradientBoostingClassifier, SVC, KNeighborsClassifier, MLPClassifier, QuadraticDiscriminantAnalysis.

Asteroid Avider

COMSATS

- Developed the Unity 3D game, using C# for the scripting of multiple game objects.
- Used Google's firebase for the sign up and login module of the game.

Checker

COMSATS

- Developed the Unity 3D game, using C# for the back-end.
- Utilized Unity's Nevmesh component to generate an automated opponent.

Final Year Project

COMSATS

- WorkWhiz involves designing and implementing a user-friendly web and mobile platform that enables users to easily search, hire, and engage with service providers based on their specific needs. Leveraging advanced technologies such as machine learning, the platform facilitates seamless matchmaking between users and service professionals, ensuring optimal service provider selection and user satisfaction. Key features of the platform include:
- User-friendly interface for intuitive service searching and booking.
- Advanced search filters and recommendation systems to match users with suitable service providers.
- Secure payment processing and transaction management.
- Review and rating systems to foster trust and transparency within the platform community.
- Adaptable architecture to accommodate a wide range of service categories and expand scalability.

Education

Bachelors in Software Engineering

COMSATS UNIVERSITY LAHORE

GPA: 2.74

Lahore, Pakistan

2020 - 2024

- Machine Learning
- Object oriented Software Engineering
- Data structure and Algorithms
- Game Development
- Database
- Web Development
- Mobile app Development

Certifications

Salesforce Administrator Certification

February 29, 2024

- Attempted and cleared the Salesforce Administrator Certification exam after reaching 36000+ points on trail head.

Technical Skills

Front-end HTML, CSS, JavaScript, Bootstrap

Back-end Python, Java, C, C++, C#

Database SQL,MySQL,Google Firebase

CRM Salesforce

Languages

English Proficient

Urdu Native

Extracurricular Activities

Joint Secretary

COMSATS LAHORE DEBATING SOCIETY

2021 - Jun. 2023

- Reformed the society focusing on all debating formats and building network on and off campus.
- Proposed various marketing and network activities to raise awareness.
- Participated in numerous national level competitions held across multiple universities.
- Achieved several honourable mentions and special mentions awards in different global agendas.
- Recruited and managed various suitable resources for the society.

Izhaar(the liberal arts society

PRESIDENT

2022

- Established a strong foundation through continuous and systematic development, thereby cultivating an influential and impactful role.

Volunteer Work

2020-2024

- Participated in multiple plantation and Ramadan drives organised by different NGOs.
- Raised and delivered donations to multiple orphanages.
- Volunteered for Al Noor organisation to travel to flood affected areas and deliver goods.