



Muhammad Rehan

SOFTWARE ENGINEER

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SKILLS

FRONTEND DEVELOPMENT | ReactJS ● JavaScript ● Bootstrap ● HTML ● CSS ● Figma

BACKEND DEVELOPMENT | Java ● python ● Express ● NodeJS ● PHP ● C# ● C++

DATABASES MANAGEMENT | MongoDB ● SQL ● Firebase

TOOLS & PLATFORMS | Git ● Unity ● Android Studio

SOFT SKILLS | Team Player ● Bias for action ● Deliver Results

WORK EXPERIENCE

DIVINE BITS (PVT) LTD

ML & AI Engineer (Intern)

June 2025 - Nov 2024

- Built an end-to-end AI-powered recipe recommendation platform that suggests recipes based on available ingredients or target cuisine.
- Ingredient-based recommender: Uses TF-IDF + Nearest Neighbors to find recipes with high ingredient overlap.
- Cuisine-based recommender: Uses TF-IDF + Cosine Similarity on combined recipe text to recommend dishes from a selected cuisine.
- Computer vision integration: YOLOv8 model detects ingredients from uploaded images for automatic recipe suggestions.
- Interactive web app: Deployed using Streamlit with a simple UI for ingredient input, image upload, and mode toggle (Ingredient / Cuisine).

OntriggerJoy Inc.

Game Developer (Intern)

June 2024 - Oct 2024

- Contributed to the development of 2D and 3D games using Unity and C#, focusing on gameplay mechanics, UI, and performance optimization.
- Collaborated with a small agile team, leveraging Git for version control and smooth workflow.
- Gained hands-on experience in debugging, testing, and improving user experience for live game projects.
- Strengthened problem-solving, teamwork, and project management skills in a fast-paced development environment.

REFERENCE

Shehzad Khan

DivineBits (PVT) LTD / CEO

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Sharyar Saqib

OnTriggerJoy Inc. / CEO

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Muhammad Ali Hadi

OnTriggerJoy Inc. / HR

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CONTACT

EDUCATION

Bachelor in Software engineering

Capital university of science and technology, Islamabad

2022 - Present

FSC pre-engineering

Dr Abdul Qadeer Khan school and college of science and technology

2020 - 2022

Matriculation

Dr Abdul Qadeer Khan school and college of science and technology

2018 - 2020

ACADEMIC PROJECTS

FaceDetectionApp

- "An Android application for managing student attendance using TensorFlow Lite for face recognition".

Ghost-Buster

- A dynamic 2D action-platformer built with Unity featuring advanced combat mechanics, strategic enemy AI, and URP-powered environments.

SRE-Homes

- A full-stack MERN application built for Real Estate. Features a seamless property browsing experience for users and a robust administrative dashboard for inventory management.

ACHIEVEMENTS & CERTIFICATIONS

Dean's Honor List (Two-Time Recipient)

- Awarded for maintaining exceptional academic standing and demonstrating a commitment to excellence in coursework.

AI & Machine Learning Engineering Certification

- Successfully completed a 6-month professional internship, gaining hands-on experience in developing and deploying AI models and machine learning algorithms.

Islamabad Traffic Police Volunteer Certification

- Recognized for dedicated community service and contributing to public safety and traffic management initiatives in the capital.

LANGUAGES

- English (Fluent)
- Urdu (Fluent)
- Punjabi (Intermediate)

📍 St # 13 Sector C Phase 8 Bahria Town, Rawalpindi 🌐 <https://github.com/muhammadrehann589/portfolio-website>

[in](https://www.linkedin.com/in/muhammad-rehan-544769278/) <https://www.linkedin.com/in/muhammad-rehan-544769278/>