

MARYEEM RASOOL

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EDUCATION

Bachelor of Science in Computer Science | NUML | Pakistan

Aug 2021 – Aug 2025

FSc Pre-Engineering | Punjab College | Pakistan

Aug 2018 – Jun 2020

Matriculation | Private | Pakistan

Aug 2016 – Jun 2018

EXPERIENCE

AI Intern – FISTA

June 2025 – Nov 2025

Developed intelligent agent workflows using OPEN AI Agents SDK, LangChain, and Ollama.

Contributed to projects involving Next.js, FastAPI, and open-source LLMs.

Worked on RAG-based solutions and real-time AI tools for personalized user interaction.

Web Developer – GR Agro Services

Jan 2025 – May 2025

Developed a comprehensive website for GR Agro Services, focusing on user-friendly navigation, dealer contact integration, and product listings for agricultural fertilizers.

PROJECTS

AI Personal Finance Assistant

React web app providing budgeting tips and financial insights using Ollama and local LLMs.

AI Recipe Generator

A react web app generating personalized recipes from user-inputted ingredients using Ollama models.

Travel Itinerary Planner (RAG)

A React web app that auto-generates travel plans using LangChain and Weaviate.

Language Learning Assistant (RAG)

A web-based chatbot built with LangChain and Pinecone to help users practice language skills interactively.

AI Task Manger (RAG)

A react web app for smart task prioritization using ChromaDB and local LLMs via Ollama.

Agrifert

Developed a comprehensive website for Agrifert, focusing on user-friendly navigation, dealers contact and product listings of agricultural fertilizers. Tools/Technologies: HTML, CSS, JavaScript, Bootstrap, PHP, MySQL

Amazon clone

Creating a full-featured e-commerce platform mimicking Amazon, with functionalities such as user authentication, product listings, shopping cart, and order processing. Tools/Technologies: React, Node.js, Express, MongoDB, Firebase

Sugarease – AI-Powered Diabetes Management App

Developed a mobile app to help diabetic patients manage glucose, insulin, blood pressure, and diet through AI-powered food recognition and health tracking features.

Technologies Used: React Native, Firebase, RESTful APIs, AI-based image analysis.

CERTIFICATIONS

MERN stack course | Youtube

Introduction to Computer Science | Harvard's CS50

React - The Complete Guide 2025 By Maximilian Schwarzmüller | Udemy

Master LangChain and Ollama – Chatbot, RAG and Agents By Laxmi Kant | Udemy

SKILLS

Python, FastAPI, Ollama, Open-AI SDK, LangChain, Firebase, Supabase, React, Postman

React-native, Next.js

AWARDS AND HONORS

Merit Scholarship

1st Position in Undergraduate BSCS

CO-CURRICULAR ACTIVITIES

Table Tennis | Swimming | Chess | German language | Chinese language | Guitar