Maham Fatima

Software Engineer

03123365868   fmaham599@gmail.com   linkedin.com/in/maham-fatima-517a98284   https://github.com/Maham-Fatima

Karachi, Pakistan

SUMMARY

Enthusiastic software developer with expertise in web development and data science using Python and Javascript. Skilled in developing frontend, backend, databases, and data science. Seeking a challenging opportunity to utilize these skills and grow further in the field of software engineering.

PROJECTS

Parkify

📅 2024 - Present

Roles: Admin, guard, users. Parkify is an automated parking surveillance system utilizing React and Django. This project aims to develop an advanced surveillance system capable of detecting and responding to various suspicious activities involving vehicles, detecting weapons, and identifying fights in the parking area.
• Collected 64000 plus images for dataset.
• Reduced need for multiple guards by 70%.

Weather Robo

📅 2023

Weather Robo asks for the city's name, and when the user tells the city name, it broadcasts the weather details of that city. Developed by using Python Tkinter and integrating weather API and Google speech recognition library
• Provides support for 200,000 cities
• Provides reponse within 0.5 seconds

Smart PDF maker

📅 2024

Developed a PDF processing tool that automatically crops pages, reducing manual effort and improving efficiency. using openCV, ReportLab, Django and React.
• Optimized the algorithm to reduce manual processing time from 10 seconds to 1 second per page, saving users up to 9 sec per page

Multiplayer Quiz game

📅 2023

multi-player quiz game created by using Python, Tkinter for GUI, socke t programming, and threading that handles up to 4 participants.

Exam management system

📅 2022

Includes student management, course management, quiz management system, built by using Java server pages, Jakarta EE framework, Oracle database, HTML, CSS, Javascript. It helps students to prepare for their exam.
• Provides real-time difficulty level based on student scores.

EDUCATION

Bachelor of Science in Software engineering

Fast University

GPA
3.79 / 4.0

📅 2021 - 2025   📍 Karachi, Pakistan

STRENGTHS

Critical Thinking
Effectively used critical thinking to troubleshoot and solve challenging development problems.

Communication
Successfully communicated technical details, complications and helped the team to overcome them during university projects.

Teamwork
Lead FYP team to deliver FYP-I successfully within given deadlines.

SKILLS

Python	Django	HTML	JavaScript
React	NodeJS	CSS	core Java JSP
Bootstrap	Tailwind	Matplotlib	
Pandas	Numpy	Scikit Learn	
Seaborn	Machine Learning	SQL	
Data Cleansing	Data analysis	DSA	
API Development	JWT	Postman	Git
AWS			

CERTIFICATION

Google data analytics
Completed a specialized course conducted by Coursera that focused on data analytics.