Muhammad Umer

Software Engineer

Coding with understanding and creativity

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EDUCATION

BSCS
FAST NUCES

08/2017 - 07/2021

WORK EXPERIENCE

ML Engineering Internship
Technocolabs

10/2022 - 11/2022   *Remote*

Achievements/Tasks

- The core work is to make complete project which includes Extract Data from API, Data Cleaning, Preprocessing, Exploratory Data Analysis, Feature Engineering, Model Building and Deployment
- I have worked on **BigMart_DataWarehouse Sales** dataset to find out the sales of each product at a particular store and shows the accuracy of 60%.
- Right now working on **Spotify Playlist Recommendation System** to develop a system of automatic songs playlist continuation.

Backend Developer/DB Designer
Kodifly Limited

01/2022 - 09/2022   *Hong Kong*

We discover, design and develop state-of-the-art and tailor-made software solutions, and translate that into values for our clients.

Achievements/Tasks

- Collaborating with the team to develop, and optimize the performance of Django backend projects.
- Designing complete class diagram also shows the tables relationship between them
- I am a core developer in TheCenterSpace , Kodifly Limited and three more in progress projects.

Triage Engineer Intern
Zazmic Inc

10/2021 - 01/2022   *Jacksonville, Florida, USA*

Zazmic delivers Silicon-Valley-quality solutions to accelerate your digital transformation.

Technical Support Team

- Managing IDGITAL HealthCare Project
- Core work was to Analyze databases, datasets, problems, Testing and collaborate with Clients

ORGANIZATIONS

Association for Computing Machinery (ACM)
Core member of development team

SKILLS

Django   Python   Rest API   SQL   Git/GitHub

Pandas   Numpy   AI/ML   Heroku/Netlify

GraphQL   PySpark

PERSONAL PROJECTS

Web Development Projects

- **1. WeDoctor(FYP):** An automated Web Application for doctor and patient consultation. It includes disease prediction with the accuracy of **90%**, meetings, dashboards and Google Maps to visualize number of diseases.
- **Using:** Django, Scikit-Learn, Camus video chat API, SQLite DB, Google Map API
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- **3. Kodifly Limited:** I have worked on five projects TheCenterSpace, Kodifly Limited, HrPlus, Physio-Therapy and GreenPrice. Two projects are live and three will be live soon
- **Using**: ReactJS, Django, Netlify, Netlify CMS, Python, Rest API, Postman, PostgreSQL and Graphql

Data Science Projects

- **1.** FPM using PySpark and mlxtend**:** HealthCare project using Big-Dataset. End result I am showing a frequent pattern **e.g** if someone calls ambulance then most likely chances are, this is emergency. To review complete Big Dataset
- **Using:** Python, PySpark, Spark.SQL, FP-Growth, mlxtend
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- **2.** Big-Data Visualization: Cleaning and visualization on Big- Dataset. This project is about how I can **visualize 6 Million records** and also manage memory.
- **Using:** Python, Matplotlib, Pandas, Numpy

CERTIFICATES

HTML, CSS and JavaScript (06/2021 - Present)
Coursera

Data Cleaning (06/2020 - Present)
Kaggle

Intermediate Python (06/2020 - Present)
DataCamp

Google Cloud Big Data and Machine Learning Fundamentals (01/2022 - Present)
GCP Badges

LANGUAGES

Urdu
Native or Bilingual Proficiency

English
Professional Working Proficiency