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Muhateer Muhammad

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ABOUT ME

Full-Stack Software Engineer with practical experience in developing robust web applications and intelligent systems. Skilled in designing scalable frontend and backend architectures using ReactJS/NextJS, .NET, and modern database technologies (PostgreSQL, MySQL). Proficient in Python programming for automation and integration of machine learning and AI solutions into real-world applications. Strong commitment to delivering high-quality, data-driven software products with clean, maintainable code and user-focused design.

FULL STACK

Skills

- **Languages:** Python, JavaScript, SQL
- **Frameworks & Libraries:** ReactJS, Next.js, .NET Core, TensorFlow, PyTorch
- **Databases:** PostgreSQL, MySQL
- **DevOps & Deployment:** AWS EC2, S3, Ubuntu server configuration, CI/CD
- **Tools:** Git, Docker, VS Code, Jupyter Notebook

WORK EXPERIENCE

IT&T 360 (REMOTE) – GTA, CANADA

SENIOR SOFTWARE DEVELOPER – 01/05/2023 – CURRENT

Develop AI and ML software solutions in Python, build and maintain web applications using Next.js and React.js, design backend services with .NET and PostgreSQL/MySQL, and deploy full-stack systems on AWS and Ubuntu servers. Responsible for end-to-end architecture, implementation, and deployment of production-ready applications.

UNIVERSITY OF MANAGEMENT AND TECHNOLOGY (UMT) – LAHORE, PAKISTAN

RESEARCH ASSISTANT – 01/02/2022 – 31/07/2022

- Assisted in designing and conducting research projects in bioinformatics and AI.
- Collected, processed, and analyzed large datasets using statistical and ML tools.
- Prepared technical reports, research papers, and presentations.
- Supported grant proposals and collaborated within an interdisciplinary team.
- Mentored junior students on research tasks and data analysis.

PROJECTS

01/10/2024 – 01/05/2025

Daily Life Turkish in React Native with Expo Go

Developed a React Native application using Expo Go, designed to help users learn the Turkish language through practical daily life tasks. The app provides an interactive and engaging experience. This project showcases expertise in React Native, Expo, Google AdMob, and Google Play Store deployment.

Link https://play.google.com/store/apps/details?id=com.muhateer013.DailyLifeTurkish&hl=en

Crypto Coin Price Prediction LSTM Model Development and Deployment

Developed and trained an LSTM deep learning model to predict crypto coin prices, built a web interface for real-time visualization, and deployed the complete solution on an Ubuntu server with secure and scalable configuration.

Natural Language Processing (NLP) for Text Classification

Built a model using NLP techniques, such as recurrent neural networks (RNNs) or transformers, to generate coherent and contextually relevant text based on a given input.

Link https://github.com/mhateer/NLP-text-classification-model-main

Object Detection and Tracking

Implemented a computer vision system using techniques like object detection and tracking algorithms to identify and track objects in real-time video streams

Link https://github.com/mhateer/Object-Detection-And-Tracking

Image Classification with Convolutional Neural Networks

Implemented a computer vision project using CNNs and frameworks like PyTorch or TensorFlow to classify images into different categories with high accuracy.

Link https://github.com/mhateer/image-classification-using-cnn

EDUCATION AND TRAINING

16/02/2019 – 18/03/2023 Lahore, Pakistan
BACHELOR OF SCIENCE IN COMPUTER SCIENCE University of Management and Technology Lahore

Website https://sst.umt.edu.pk/Programs/Undergraduate-Programs/BS-Computer-Science.aspx

01/06/2022 – 19/09/2022
SUPERVISED MACHINE LEARNING: REGRESSION IBM by Coursera

Website https://www.coursera.org/account/accomplishments/certificate/NUPVXQTKEPJH

16/02/2023 – 17/03/2023
INTRODUCTION TO CLOUD COMPUTING IBM by Coursera

Website https://www.coursera.org/account/accomplishments/verify/BGSQLX5KEGJ6

01/08/2023 – 08/10/2023
INTRODUCTION TO FRONT-END DEVELOPMENT Meta by Coursera

Website https://www.coursera.org/account/accomplishments/verify/6UMAHCE0RKFJ

16/02/2023 – 16/03/2023
NODE.JS BACKEND BASICS WITH BEST PRACTICES Coursera Project Network

Website https://www.coursera.org/account/accomplishments/verify/AEQ98VSX67BG

PUBLICATIONS

Bone Tumor Detection in X-ray Images Using Transfer Learning with EfficientNet-B5 - Journal of Computing & Biomedical Informatics

Evaluating the Effectiveness of Transfer Learning in Few-Shot Learning Scenarios for Natural Language Processing Tasks.Vol. 3 No. 5 (2025): Spectrum of Engineering Sciences

LANGUAGE SKILLS

Mother tongue(s): **ENGLISH**