Muhammad Javaid Iqbal

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OBJECTIVES

To pursue a career in a reputed organization where I can utilize my potential to its peak and apply all that I have learned from experiences and academics. To promote my career at a highly reputed, eminent organization and gain exceptional career progress through long efforts and performance regularity.

MAJORS

Artificial Intelligence, BlockChain, Machine Learning, Big Data, Digital Image Processing, Deep Learning, Natural Language Processing, GenerativeAI and Computer Vision.

WORK EXPERIENCE

Senior AI Engineer AB {Ark} Pvt Ltd, Pakistan 18th July 2024- Present

As a Senior AI Engineer at AB (Ark), my role encompasses leading cutting-edge AI solutions across blockchain, generative AI, and computer vision domains. I am focusing on developing and deploying robust AI models that drive innovation in blockchain applications, create transformative generative AI tools, and enhance computer vision capabilities. Core responsibilities include designing scalable architectures, optimizing deep learning models, and overseeing end-to-end project implementation, ensuring AI advancements align with AB's strategic goals. Additionally, I mentor junior engineers and collaborate across teams to integrate AI seamlessly into products and solutions. https://abark.pk/

AI Engineer DoctorAi, LLC USA 21st May 2022- 10th July 2024

Developed enterprise sales data prediction with its deployment using AWS services. I worked on the patient fall prevention project where I developed a Computer Vision based system that was part of Doctor Ai, LLC USA. Another project facial recognition for general-purpose software was developed using image processing and Machine Learning. Patients monitoring, in the hospital were performed and the specific hospital patient's records were analyzed. I used different Artificial Intelligence approaches for the real-time product. https://www.ddxrx.net/

Data Scientist | ML Engineer, JTech PVT Ltd, Lahore 21st March 2017- 5th April 2022

I've worked in the fields of data engineering, machine learning, and deep learning for real-time systems. The most prominent project was to predict the sales in enterprise business. I have worked on several real-time projects using machine-learning approaches. I'm working as a team member here and supervising a project to analyze the players in the basketball dataset and various others. https://jtech.com.pk/

Associate Data Scientist JTech PVT Ltd, Lahore 9th Feb 2016- 10th March 2017

I have worked here to explore selecting features, and building and optimizing classifiers using machine learning techniques. Also, state-of-the-art techniques in Data Mining are used. Enhancing data collection procedures to include information that is relevant for building analytics systems. https://jtech.com.pk/

EDUCATION

MS (CS) (2016-2019)

COMSATS University Islamabad (CUI), Lahore (campus)
Research Area:
Medical Image Analysis, Big Data Techs, Machine Learning, Deep Learning, and Computer Vision techniques applied with the title of "Automatic Brain Tumor Segmentation in Brain MRI, Through Region-Based Approach"

BS (CS) (2012-2016)

COMSATS University Islamabad (CUI), Vehari (campus)

F. Sc (2009-2011)

Board of Intermediate and Secondary Education (B.I.S.E) Multan

Pre-Engineering (Physics, Chemistry, Mathematics)

Matriculation (2007-2009)

Board of Intermediate and Secondary Education (B.I.S.E) Multan

Science Subjects (Biology, Mathematics, Physics, Chemistry)

KEY PROJECTS

- Automatic Brain Tumor Segmentation in Magnetic Resonance Images (MRI) Through Region-Based Approach using BRATS 2017" by using Medical Imaging and Machine Learning Techniques.
- Chef Corner HeyGen customized avatar using Pinecone and OpenAI.
- Big Data Technologies with Blockchain implementation on GCP for the Healthcare system
- Sentiment Analysis on Natural Language using Machine Learning and Natural Language Processing for Distance Learning using Arabic Tweets.
- Real-Time Blockchain Solution for Secure and Transparent Data Transactions
- Graph RAG in the Hospital Operational System using Generative AI.
- Amazon Sales prediction for specific products like Electronics, using Machine Learning and Natural Language Processing approaches.
- Fish Identification and Classification by using the Deep Learning approaches are also designed for both automatic detection and record analysis in the dashboard
- Artificial intelligence-based solid waste management and detection of the solid type to process in the defined rules.
- Visit for detailed projects [GitHub] https://github.com/javaidiqbal11

CERTIFICATION

I'm a certified Data Scientist | AI Engineer | and Data Analyst from IBM, Harvard using the edX online learning platform. All the certifications are listed below:

- Python Basics for Data Science- IBM Certified
- Introduction to Data Science- IBM Certified
- Data Science Machine Learning- Harvard Certified
- Data Science Tools- IBM Certified
- SQL for Data Science- IBM Certified
- AI Application with Watson- IBM Certified
- Deep Learning Fundamentals with Keras- IBM Certified
- Deep Learning with TensorFlow- IBM Certified
- Deep Learning with Python and PyTorch- IBM Certified
- Using GPUs to Scale and Speed-up Deep Learning- IBM Certified
- Visualizing Data with Python- IBM Certified
- Blockchain A-Z: Build a Blockchain, a Crypto + ChatGPT Prize
- Blockchain and Bitcoin Fundamentals- Udemy Certified

TOOLS/ SOFTWARE

Database Tools:

- Mongo DB
- AWS S3 Cloud Storage, EC2, SageMaker and AWS Comprehend, AWS Lambda, Deployment
- Apache Server and Oracle Database
- SQLite, Firebase for Mobile App
- Google Cloud System for AI, Microsoft Azure

Operating Systems:

- Windows 10, 11
- Linux (Ubuntu 14.04)

Development Tools:

- **Libraries:** Pandas, ScikitLearn, NumPy, TensorFlow, Keras, PyTorch, Hadoop, Spark and many more.
- **Editors:** PyCharm, R Studio, MATLAB R2020b, Microsoft Visual Studio Code
- **Frameworks:** HeyGen, TensorFlow, PyTorch, Hyperledger Fabric, LangChain
- **Analytics Tools:** Excel, PowerBI, Tableau, R-Studio
- **Servers:** IBM Cloud, Microsoft Azure, Google Cloud, AWS
- **Notebooks:** Anaconda Jupyter, Spyder, Google Collab, PyCharm Jupyter

Programming Languages:

Python, MATLAB, R, C++

Version Control:

GitHub, Git, Jira, Ontezo

HOBBIES

Badminton, Cricket, Table Tennis, Book Reading, and Gaming

PERSONAL INFO

CNIC	36603-8878730-7
Date of Birth	05-06-1993
Religious	Islam
Domicile	Vehari (Punjab)
Gender	Male
Nationality	Pakistani

References

Dr. Muhammad Aksam Iftikhar
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