ABDUL WAHAB MEMON

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Summary

Experienced Data Science and IT professional with 6+ years in healthcare IT, PACS administration, and software development. Proficient in Python, ML/DL, computer vision, and NLP. Skilled in building end-to-end AI solutions with real-world project experience. DP-100 certified in Azure-based data science implementation.

Technical Skills

Languages and Databases: Python, SQL, MySQL
Data Analysis & Visualization Tools: Pandas, Numpy, Matplotlib, Seaborn, Power BI
Machine Learning: Scikit-Learn, TensorFlow, Keras, PyTorch
Deep Learning: Convolutional Neural Networks (CNNs), Recurrent Neural Networks (RNNs)
Computer Vision: OpenCV, Object Detection, Segmentation
Natural Language Processing: NLTK, SpaCy, Transformers, Text Classification, Sentiment Analysis
Generative AI: Chatbots, AI Assistants

Experience

Neurospinal & Cancer Care Institute   October 2018 – December 2023
IT Manager & PACS Administrator   Karachi, Pakistan

- **IT Infrastructure Management:** Oversaw planning, implementation, and maintenance for optimal performance and security.
- **PACS Administration:** Managed Picture Archiving and Communication System (PACS) for efficient medical image storage and retrieval.
- **User Support & Training:** Provided technical support and training to enhance user satisfaction and efficiency.
- **System Integration:** Led integration of PACS with healthcare systems (e.g., Linear Accelerator, Mosaiq Server) for improved data flow.
- **Performance Monitoring:** Monitored system performance, conducted audits, and resolved issues to minimize downtime.

PACSLINK Corporation Pvt LTD.   May 2017 – September 2018
Junior Java Developer   Lahore, Pakistan

- **Application Development:** Designed user-friendly applications for Hospital Management and PACS using Java Swing and JavaFX.
- **Report Generation:** Created comprehensive reports for patient data and imaging records using JasperReports.
- **Database Management:** Managed and optimized Oracle 11g databases for efficient data storage and retrieval.
- **System Integration**: Integrated Java applications with existing healthcare systems to enhance interoperability.
- **User Support:** Provided technical support and troubleshooting to improve system reliability and user satisfaction.

Personal Projects/Training & Certifications

TumorOnco - Brain Tumor Detection and Classification   November 2023 – December 2023
Ministry of Information Technology and Telecommunication   MetaPi Technologies, Pakistan

- ***Web App & AI Integration:*** *Developed a Flask-based web app for brain tumor detection and classification using computer vision andmachine learning.Enabled users to upload medical images for automated classification and Detection improving accessibility and diagnostic efficiency.*

High Impact Skills Bootcamp Program in Data Science & ML.   July 2023 – November 2023
Ministry of Information Technology and Telecommunication   MetaPi Technologies, Pakistan

- **Intensive Training:** Completed a four-month full-time training program focused on Data Science and Machine Learning, equipping participants with cutting-edge skills and industry knowledge.
- **Project-Based Learning:** Engaged in hands-on projects initiated by the Federal Ministry of Information Technology and Telecommunication, applying theoretical concepts to real-world scenarios.

Microsoft DP-100: Designing and Implementing a Data Science Solution on Azure   Issued by Microsoft, january 2025

- Validated skills in deploying and managing machine learning models on Azure using ML pipelines, compute targets, and MLflow.

Education

University of Sindh   January 2011 – December 2014
Bachelor of Science in Information Technology   Jamshoro, Pakistan