NIMRA ASLAM

DATA SCIENTIST, AI/ML ENGINEER

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OBJECTIVE

Results-driven Senior Machine Learning Engineer with over 3 years of experience in developing and deploying high-impact machine learning models. Seeking to leverage advanced technical skills and innovative thinking to drive data-driven solutions at Arbisoft.

TECHNICAL SKILLS

- Programming Languages: Python (Advanced)
- Machine Learning: Model Development, Evaluation, Feature Extraction
- Deep Learning: Model Development, Evaluation, CNNs, RNNs
- NLP: Large Language Models (LLMs), Text Processing
- Cloud Computing: AWS, Azure, GCP
- CI/CD: Docker, MLflow, TensorFlow, PyTorch, Jenkins
- Generative AI Techniques: GANs, LLaMA2
- Data Analysis: Excel, SQL, Power BI, ETS, Data Modeling, Data Visualization

CERTIFICATIONS

- Machine Learning, Deep Learning Fundamentals, Data Science | iNeuron, 2023
- Generative AI | iNeuron, 2024
- Python Essentials | Virtual University Pakistan, 2022
- Digital Marketing | e-Rozgar Punjab, 2022

SOFT SKILLS

- Problem-Solving and Critical Thinking
- Teamwork
- Project Management
- Communication

LANGUAGES

- English
- Urdu

EXPERIENCE

Data Scientist, Upwork | 2023 – Present

- Developed and deployed machine learning models, increasing model accuracy by 15% through advanced feature engineering and hyper parameter tuning.
- Implemented CI/CD pipelines, automating the model training and deployment process, reducing deployment time by 20%.
- Collaborated with clients to understand their needs and deliver customized data solutions, improving client satisfaction by 25%.

Data Analyst, IQUANTI | 2023

- Conducted comprehensive data analysis to support strategic marketing initiatives, resulting in a 15% increase in campaign effectiveness.
- Designed and developed interactive dashboards using Power BI to visualize key performance metrics, enhancing decision-making processes.
- Improved data accuracy by 10% through rigorous data cleaning and validation, ensuring the reliability of business insights

.**Researcher**, **COMSATS University Islamabad | 2022 - 2023**

- Conducted innovative research on the utilization of horizontal magnetic fields in the thermophysical convective flow of nanofluid.
- Published findings in peer-reviewed journals, contributing to significant advancements in the field of nanofluid research
- Presented research outcomes at international conferences, enhancing the university's academic reputation.

EDUCATION

Master's in Mathematics, COMSATS University Islamabad | 2021-2023

- CGPA: 2.79
- Relevant Coursework: Statistical Data Analysis, Machine Learning, Advanced Calculus
- Thesis: "Applications of Machine Learning in Predictive Analytics"

Bachelor's in Mathematics, COMSATS University Islamabad | 2018-2021

- CGPA: 3.00
- Relevant Coursework: Linear Algebra, Probability and Statistics, Computational Methods
- Project: "Development of a Predictive Model for Stock Market Trends"

PROJECTS

Chicken-Disease-Classification System | March 2024

- Developed a convolutional neural network (CNN) model to classify chicken diseases with 92% accuracy.
- Implemented the solution using TensorFlow and Flask, resulting in an efficient web deployment.
- Conducted extensive data preprocessing and augmentation to enhance model robustness..

Build Medical Chatbot Using Generative AI (LLaMA2) | June 2024

- Created a medical chatbot leveraging generative AI and LLaMA2, providing accurate and context-aware responses.
- Improved user experience through advanced natural language understanding and response generation.
- Deployed the chatbot on a cloud platform, ensuring scalability and reliability..

Deep-Learning-Project-on-Kidney-Disease-Classification | April 2024

- Applied deep learning techniques, including CNNs and transfer learning, to classify kidney diseases with high accuracy.
- Utilized advanced image processing techniques to improve model performance and diagnostic precision.
- Collaborated with healthcare professionals to validate the model's effectiveness in real-world scenarios.

Machine Learning Project on Audio Classification | February 2024

- Developed and trained machine learning models for audio classification tasks, achieving significant accuracy improvements.
- Employed feature engineering and model optimization techniques to enhance performance.
- Integrated the models into a user-friendly application for real-time audio analysis..