Aliullah (he/him)

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Education

Friedrich-Alexander-Universität   Erlangen-Nuremberg
MSc., Artificial Intelligence, Grade 1.6   April 2023 – Present
Relevant Coursework: Pattern Recognition and Analysis, time series, Computer vision, Explainable Machine Learning

Experience

TecHayal   Remote
Data Scientist   November 2022 – March 2023
- Executed image recognition system for SEO, diminishing manual tagging by 30%.
- Utilized deep learning to amplify image categorization accuracy.
- Conducted model fine-tuning to refine tagging precision.

Auvitronics ltd.   Karachi, Pakistan
Data Analyst   October 2019 – October 2021
- Administered initiatives in demand analysis for data-driven decision-making.
- Monitored fiscal year growth and analyzed shipment trends for data-driven decision-making.
- Analyzed geographical data to optimize logistics routes, achieving a 10-15% reduction in transportation losses.

Skills

Programming: Python, R, MATLAB, SQL
Data Analysis and Manipulation: NumPy, Pandas, Matplotlib, Seaborn, Scipy etc.
Deep Learning Frameworks: Tensorflow, PyTorch, Keras
Database: SQL, MySQL, SPARQL
Version Control & Virtualization: Git, GitHub, Docker
Tools: Power BI, Tableau, VSCode, PyCharm
Soft Skills: Problem Solving, Critical Thinking, Teamwork
Language: English (Business fluent), German (Beginner), Urdu (Native), Hindi

Certificates

- **Python for Data Science, AI & Development** from IBM
- **Deep Learning Specialization** from DeepLearning.AI
- **Machine Learning Specialization** from DeepLearning.AI
- **ChatGPT Prompt Engineering for Developers** from DeepLearning.AI
- **Data Science Ethics** from University of Michigan
- **Certified Python Developer** from CISCO

Projects

- **Revenue Achieved Dashboard:** Thoroughly Analyzing Monthly Customer, Quantity, and Geographic Revenue Trends.
- **Advanced Brain Tumor Diagnosis System:** Integrating SIFT and Deep Neural Networks on MRI Images.
- **Enhanced CNN Interpretability:** SMOOTHGRAD Approach for Model Insights.
- **Semi-Supervised Object Detection:** Background Separation and Clustering Algorithms.
- **Manufacturing Facility Monitoring:** YOLO V5-Based Object Detection Model for tracking Human activities.