

Aliullah

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Education

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| <ul style="list-style-type: none">• Friedrich-Alexander-Universität
<i>MSc., Artificial Intelligence, Grade 1.6</i>• NED University of Engineering and Technology
<i>BE., Industrial and Manufacturing Engineering, Grade 1.1</i> | <div>Erlangen-Germany
April 2023 – Present</div> <div>Karachi-Pakistan
December 2016 – October 2020</div> |
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Experience

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| TecHayal
<i>Data Scientist</i> | Remote
November 2022 – March 2023 |
| <ul style="list-style-type: none">• Executed SEO with image recognition, improving accuracy by 30% through deep learning and fine-tuning.• Enhanced website SEO with data-driven insights, leading to a 20% increase in organic traffic• Spearheaded the development of data analytics tools, fostering a 30% rise in customer satisfaction, showcased in user-friendly dashboards for strategic decision-making. | |

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| Freelance
<i>Data Scientist and Analyst</i> | Remote
October 2021 – November 2022 |
| <ul style="list-style-type: none">• Developed and deployed a machine learning model for predictive maintenance for real-time monitoring of processes.• Developed time series forecasting models for sales prediction and inventory management with a user-friendly dashboard | |
| Auvitronics Ltd.
<i>Data Analyst</i> | Karachi, Pakistan
October 2019 – October 2021 |
| <ul style="list-style-type: none">• Administered initiatives in demand analysis, contributing to a 20% improvement in data-driven decision-making.• Monitored fiscal year and analyzed shipment trends, resulting in a 12% decrease in downtime and cost of logistics.• Investigated geographical data to optimize logistics routes, successfully achieving a 10-15% reduction in transportation. | |

Digital Competencies

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| • Programming: | Python, R, MATLAB, SQL |
| • Data Analysis and Manipulation: | NumPy, Pandas, Matplotlib, Plotly, Seaborn, Scipy |
| • Machine learning Frameworks: | Scikit-learn, Tensorflow, PyTorch, Keras, Transformers, Bert, GPT, Ray |
| • Database: | SQL, MySQL, SPARQL, BigQuery, AWS |
| • Version Control & Virtualization: | Git, GitHub, Docker, FastAPI |
| • Tools: | Power BI, Tableau, VSCode, PyCharm, PyQt |
| • Language: | English (Business fluent), German (Beginner) |

Certificates

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

Projects

- **Sentimental Analysis:** Using Transformers in NLP achieving 85% accuracy on customer reviews dataset.
- **Interactive Visualization Platform:** Created a dynamic human-interactive platform that can talk based on emotions.
- **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 work activities.
- To view my Projects further, please visit to my website at ali623.github.io