

# Aliullah

Rothenburger Str. 145, 90439, Nuremberg, Germany +4917658127708

<https://www.linkedin.com/in/aliullah623>

<https://ali623.github.io>

[aliullah623@gmail.com](mailto:aliullah623@gmail.com)

## Education

- **Friedrich-Alexander-Universität** Erlangen-Germany  
*MSc., Artificial Intelligence, Grade 1.6* April 2023 – Present
- **NED University of Engineering and Technology** Karachi-Pakistan  
*BE., Industrial and Manufacturing Engineering, Grade 1.1* December 2016 – October 2020

## Experience

- **TecHayal** Remote  
*Data Scientist* November 2022 – March 2023
  - 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.

- **Freelance** Remote  
*Data Scientist and Analyst* October 2021 – November 2022
  - 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.** Karachi, Pakistan  
*Data Analyst* October 2019 – October 2021
  - 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

- **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](https://ali623.github.io)