

EXPERIENCE

- **Philips** January 2022 - July 2022
AI for Language Research Intern *Eindhoven, Netherlands*
 - **Log Data Modeling for Maintenance:** Developing deep learning models for log data generated by medical devices for down stream predictive maintenance and diagnostic tasks.
 - **Philips Intern Committee Board Member:** Organizing and facilitating social and career events for the intern community at Philips.
- **OneByte** September 2019 - December 2021
Data Scientist *Remote Work*
 - **Data Extraction and Classification System:** Developing and implementing data extraction and classification models for actionable findings and other organ specific abnormalities for patient screening and monitoring system (Eon Healthcare).
 - **Procedure Mapper:** Model to map medical procedure names from different hospitals to a standardized lexicon.
 - **Model Assessments:** Assessing model performance by implementing custom pipelines, and integrating feedback from experts after model assessment.
 - **Script Monitoring System:** Monitoring system for model assessing pipeline.
 - **Tagmoo (Cattle ID System):** Cattle muzzle print ID system using computer vision.
- **Paitoo** February 2019 - September 2019
Machine Learning Engineer *Lahore, Pakistan*
 - **Recommendation Engine:** Recommendation engine for a food centered social media app (Paitoo App)
 - **Classification System:** Hierarchical image classification model to automatically classify dishes in the Paitoo database.
 - **Ranking Optimization:** Ranking optimizations to maintain and update "Trending items" list within the app.
 - **Data Analysis:** Data analysis on user generated data for tracking revenue and business growth.
- **DataLog - CodeNConsult** May 2018 - September 2018
Computer Engineer Internee *Karachi, Pakistan*

PROJECTS AND PUBLICATIONS

- **Auto-Encoder Knowledge Extraction for Anomaly Detection Task:** Knowledge extraction from auto-encoders on anomaly detection tasks using co-activation graphs (ACM K-CAP conference 2021).
- **Boolean Logic Ensemble Method:** Hierarchical categories with a novel boolean logic ensemble classifier to overcome dataset limitations.
- **Graduation Project (CID):** Modular self-driving system for use in virtual environments.

SKILLS

- **Proficient with:** Python - SkLearn - OpenCV - Pandas - TensorFlow - Keras - Git - Pytorch - Elastic Search - Linux - SQL
- **Have Knowledge of:** C++ - IoT Technology - C# - Azure - AWS - Raspberry Pi

EDUCATION

- **Masters in Artificial Intelligence** August 2020 – July 2022
VU Amsterdam *Amsterdam, Netherlands*
 - **Research Assistant:** Exploring deep learning strategies for effective knowledge transfer in epitope prediction.
- **Bachelors of Science in Computer Engineering** August 2014 – June 2019
Middle East Technical University *North Cyprus, Turkey*

SELECTED COURSEWORK

- Machine Learning
- Artificial Intelligence
- Experimental Design and Data Analysis
- Knowledge Representation
- Socially Intelligent Robotics
- Evolutionary Computing
- BioInformatics
- Multi-Agent Systems
- Data Mining
- NLP Technologies
- Machine Learning and Reasoning for Healthcare