Daniyal Selani

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EXPERIENCE

- **OneByte** — September 2019 - Present
  Data Scientist, Working Remotely — *Lahore, Pakistan*
  - **Data Extraction and Classification System**: Data extraction and classification models for actionable findings and other organ specific abnormalities for a patient screening and monitoring solution (Eon Healthcare).
  - **Procedure Mapper**: Model to map medical procedure names from different hospitals to a standardized lexicon.
  - **Model Vetting System**: Model vetting system using custom Prodigy and BRAT interfaces.
  - **Script Monitoring System**: Monitoring system for model vetting scripts
  - **Tagmoo (Cattle ID System)**: Cattle muzzle print ID system using computer vision.

- **Paitoo** — February 2019 - September 2019
  Machine Learning Engineer, Working Remotely — *Lahore, Pakistan*
  - **Recommendation Engine**: Recommendation engine for a food centered social media app (Paitoo App)
  - **Classification System**: Hierarchical classification system 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.

- **DataLog - CodeNConsult** — May 2018 - September 2018
  Computer Engineer Internee — *Karachi, Pakistan*
  - **IoT Sensor Collection App**: Developed app for data collection from IoT devices.
  - **UWP App**: App for data collection, authentication and cloud storage, with cloud services integration.

PROJECTS

- **Boolean Logic Ensemble Method**: Implementing hierarchical categories with a novel boolean logic ensemble classifier to overcome dataset limitations.
- **Graduation Project (CID)**: Developing a modular self-driving system for use in virtual environments.

EDUCATION

- **VU Amsterdam** — August 2020 – Present
  Masters in Artificial Intelligence — *Amsterdam, Netherlands*

- **Middle East Technical University** — August 2014 – June 2019
  Bachelors of Science in Computer Engineering — *North Cyprus, Turkey*

SELECTED COURSEWORK

- Machine Learning
- Artificial Intelligence
- Statistics for Engineers
- Knowledge Representation
- Dynamic Programming
- Systems and Simulations
- Multi-Agent Systems
- OOP Languages and Systems
- Cloud Computing

SKILLS

- **Proficient with**: Python - SkLearn - OpenCV - Pandas - TensorFlow - Keras - Git - Arduino PCBs - Elastic Search

- **Have Knowledge of**: C - C++ - IoT Technology - C# - Azure - AWS - SQL - Raspberry Pi