

EXPERIENCE

- **OneByte** Lahore, Pakistan
Software Engineer, Working Remotely September 2019 - Present
 - **Disease Risk Assessment:** Developing a predictive system that can determine the risk of certain diseases in patients, given patient data and history.
- **Paitoo** Lahore, Pakistan
Machine Learning Engineer, Working Remotely February 2019 - September 2019
 - **Recommendation Engine:** Developing and designing a recommendation engine for the Paitoo App. The app is a social media platform for foodies, where people can share their food experiences.
 - **Classification System:** Developing and designing classification categories and ML software to automatically classify dishes in the Paitoo database.
 - **Data Analysis:** Performing data analysis on user data collected from the Paitoo app.
- **DataLog** Karachi, Pakistan
Computer Engineer Internee July 2018 - September 2018
 - **UWP App:** Designed and built a UWP app. The app was to collect data from sensors and IoT devices, deal with login credentials, display gathered information, and send data to either clients local server or a cloud storage solution.
- **CodeNConsult** Karachi, Pakistan
Computer Engineer Internee May 2018 - July 2018
 - **IoT Sensor Collection App:** Designed and built an application that would run on a Raspberry Pi. The Pi would collect data from other IoT devices and send the data to Azure servers. The data was to be accessible from the Microsoft Dynamics CRM.

PROJECTS

- **Boolean Logic Ensemble Method :** Implementing hierarchical categories with a novel boolean logic ensemble classifier to overcome dataset limitations.
- **Graduation Project :** Designing an architecture for making the development of self-driving systems more accessible. The architecture is modular, so that different learning algorithms (deep learning, reinforcement learning) can be implemented as modules and integrated into the system easily.
- **Exploring AI Blog :** Personal blog in which I write either tutorials explaining basic concepts of machine learning, an analysis on any related topics, or my thoughts on anything related to technology.

EDUCATION

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

SELECTED COURSEWORK

- Machine Learning
- Artificial Intelligence
- Statistics for Engineers
- Software Engineering
- Database Management
- Systems and Simulations
- Algorithms
- OOP Languages and Systems
- Cloud Computing

SKILLS

- **Proficient with:** Python - SkLearn - OpenCV - Pandas - TensorFlow - Keras - Git - Arduino PCBs - C# - .Net Framework
- **Have Knowledge of:** C - C++ - Java - IoT Technology - XAML - HTML5 - CSS - Microsoft Dynamics - CRM - Azure - AWS - SQL - Raspberry Pi