

## EXPERIENCE

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- **OneByte** Lahore, Pakistan  
*Software Engineer, Working Remotely* September 2019 - Present
  - **Data Extraction System:** Developing a system that extracts relevant medical data from human speech for a patient screening and monitoring solution (EonDirect).
- **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 classification system 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

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- **Boolean Logic Ensemble Method :** Implementing hierarchical categories with a novel boolean logic ensemble classifier to overcome dataset limitations.
- **Graduation Project (CID):** Designing and developing a system for self-driving cars in virtual environments. The architecture is modular, so that different learning algorithms (deep learning, reinforcement learning) can be implemented and tested as modules and can integrate 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

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

## SELECTED COURSEWORK

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

## SKILLS

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- **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