# Daniyal Selani

Email: daniyal.9538@gmail.com
Phone: +923312835513
github.com/daniyal9538

## EXPERIENCE

- **OneByte**  Lahore, Pakistan
  *Software Engineer, Working Remotely*  *September 2019 - Present*
  - **Disease Risk Assessment**: Part of team that is 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