

Usman Anwar

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EXPERIENCE

Research Assistant - Blockchain Lab, ITU

July 2018 - Present

Working on multiple industrial and research projects with focus on deep learning with Dr. Ali Ahmed.

Junior Data Scientist - ADDO AI

June 2017 - September 2017

Worked on a project exploring risky driving behavior among elderly people by analysis of data acquired through sensors placed in the car.

EDUCATION

BS Electrical Engineering - UET, Lahore. CGPA: 3.52/4.0

Completed MOOC:

- **Deeplearning Specialization** (2017) - Coursera (Deeplearning.ai)
Learnt about basic concepts and algorithms involved in deep learning and its applications.
- **Introduction to Machine Learning** (2017) – Coursera (Stanford University)
Learnt the basics of machine learning with special emphasis on implementation of machine learning algorithms.
- **Probabilistic Graphical Models** (Ongoing) - Coursera (Stanford)
Learnt about basic concepts and applications of Probabilistic Graphical Models.
- **Elements of Software Construction in Java** (2016) – edX (MITx)
Learnt good programming practices in creating and maintaining large scale software.
- **Data Science Essentials** (2017) – edX (Microsoft)
Learnt fundamentals of Data Science and different stages of Data Processing Pipeline.
- **How to Start a Start-up** (2016) – StartupClass (Y-Combinator)
Learnt about different situations that may occur in budding years of a tech start-up and how to react to such situations.

PROJECTS

- Developed an **Acoustic Source Separation And Speech Enhancement System** using deep learning as final year project.
- Developed a **Self Balancing Robot** with added capability of returning to its initial position if disturbed.
- Developed an **ultrasonic radar system** that sets of an alarm when an object is detected and provides distance and angle of detection relative to the current position of radar.
- A **DC power supply** from -30V to 30V with 1A maximum current and added safety for the connected device from excessive current.

SKILLS

• C • Java • Python • Jupyter Notebook • Tensorflow • Data Structures

LEADERSHIP ACTIVITIES

Founder and Managing Director - Spectra (www.spectramagazine.org)

April 2017 - Present

Spectra Magazine is a student-powered online magazine aiming to enhance public understanding of science and shape the narrative of science journalism in Pakistan. Read more about us at www.spectramagazine.org/about.

INTERESTS

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