



SILESHI ADAL

MACHINE LEARNING TRAINEE

LINKEDIN

GITHUB

LANGUAGES

- English - Fluent
- Finnish - Intermediate
- Amharic - Native

CERTIFICATIONS

- Python for Data Science: Intermediate from Dataquest (2019).
- SQL Fundamentals from Dataquest (2019).
- Text Processing in the Command Line from Dataquest (2019).
- Exploratory Data Visualization from Dataquest (2019).
- Pandas and Numpy Fundamentals from Dataquest (2019).

PROFILE

I am an embedded software engineer. Currently I am learning and working consistently to be an expert on Machine Learning (ML) with great passion to analyze and solve challenging problems in order to have a valuable impact on people and society.

RECENT PROJECTS

Robot Arm for Delivery Drone

Python Programming, Image Processing (openCV), MongoDB, Hardware (Raspberry Pi, Servo Motors, RaspberryPi camera, ultrasonic sensors)

The ultimate goal of this project was to build an autonomous robot arm attached to the drone with the support of Image processing functionality in order to grasp and drop objects to the desired place. The project is done in group for capstone project at Turku university, and my Role in this project was as a Team Leader and Software Developer.

City of Helsinki Roadway Management/Inspection (in-progress, private repository)

Python Programming, Image Processing (openCV), Deep Learning

Analysis of aerial photos of Helsinki city area. By applying different computer vision methods, ranging from hand-crafted features to end-to-end deep learning, in order to monitor the condition of road markings and to understand the usage of public places from drone videos. The project is still going in integrify Python and Machine Learning class for city of Helsinki.

SKILLS

CORE

- Python
- Machine Learning
- Deep Learning
- Image Processing (openCV)
- Pandas
- Numpy
- Matplotlib
- Scikit-learn
- Data Analysis
- Linux / Unix
- SQL
- Git

ADDITIONAL

- AWS
- Cisco Networking

EXPERIENCE

Machine Learning Trainee

Integrify | Helsinki, Finland | June 2019 - Present

EDUCATION

M.Sc. in Embedded Computing Software

Turku University | Turku, Finland | 2016 - Present

B.Eng. in Information Technology

Turku University of Applied Sciences | Turku, Finland | 2009 - 2014