

SAFDER AREEPATTAMANNIL

PROFESSIONAL EXPERIENCE

Data Scientist Intern

Arqaam

March 2019 – present

- Currently working on an interactive data visualization dashboard for a non-governmental organization to monitor their metrics using Elasticsearch and Kibana.
- Created an Extract, Transform, Load (ETL) data pipeline to output live visualizations using Logstash, Elasticsearch and Kibana.
- Performed data cleaning, wrangling and exploratory data analysis on various data sets checking for correlation and regression.
- Led the company's software implementation in a Linux server and ensured that system architecture was configured and optimized for maximum functionality.

Full-Stack Engineer

Freelance

Jan 2015 – September 2018

- Developed, optimized and maintained websites and web applications utilizing HTML, CSS, Javascript, JQuery and various additional libraries.
- Used React.js and React Native to create robust mobile applications.
- Created custom content management systems in Django.
- Managed projects start to finish, from initial design deliverables to final polished products.

EDUCATION

University of Toronto, Toronto, Ontario

B.Sc Applied Mathematics and Physics

September 2014 – June 2019

PROJECTS

F.Log, *Uses machine learning image classification to set up a user profile. Once a user is determined, the program runs python scripts through the use of Selenium and OpenCV to log the user into their respective accounts. Currently supports Facebook, Instagram, Spotify and Twitter.*

Move-Ai, *A machine learning based movie recommendation engine built on Tensorflow. Takes a small data set of user liked and rated movies and provides 5 movie suggestions. Uses k-nearest neighbours and decision trees to classify potential likes. The frontend is built with Javascript, HTML5 and CSS.*

pyDocScanner, *A python based document scanner which processes images using OpenCV to find contours and edges then compiles into a single pdf file. Was made as a project to quickly compartmentalize school and personal notes.*

SKILLS

Backend: Python , Java , C++

Data Science: R, Numpy, Pandas, SQL, Elasticsearch

Machine Learning: Scipy, OpenCV

Frontend: HTML, CSS, Javascript

Version Control: Git

Linux: Arch Linux, Debian family (Ubuntu, Debian)

Scripting: Bash

Data Visualization: Kibana

Misc: Android SDK, Matlab, Maple, Numerical methods and simulations