

# ALI SHIBLI

## Data Scientist

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## EXPERIENCE

### Data Scientist

#### Ericsson Global AI Accelerator

February 2022 – Ongoing

Stockholm, Sweden

- Led and implemented a scheduling system for predicting network demand, based on time series methods, outperforming previous approaches, with 5% increase in accuracy. Two patent applications were filed for the proposed solution.
- Developed “RLDevOps”, a scalable MLOps framework for solving different Reinforcement Learning problems and is adaptable to different hyperscalars including GCP and AWS.
- Working on the development of a language QA system for telecom domain using state-of-the-art models such as GPT, BERT, and Falcon.

### Other Experiences

#### Part Time and Research Engineer

2019 - 2022

- ML Mentor, KTH: Designed ML workshops upskilling 30+ engineers.
- Data Scientist Intern, Ericsson: Developed QA recommendation system.
- ML Research Engineer, KTH: Explored visual relationship detection using GNNs and developed the image-caption-scraper tool.
- Network Engineer Intern, Touch Telecom: Troubleshoot cellular network issues.
- Teaching Assistant for Math and Machine Learning courses during Bachelor’s and Master’s degrees.

## PROJECTS

### Project 1

#### Image Caption Scraper

- Developed a python package to scrape and download images with captions from the web, aiding in dataset creation. (Repo)

### Project 2

#### Recommendation Engine for Spotify, Netflix, and GoodReads

Hybrid neural network for media recommendations combining filtering and content-based methods. This uses Transformer models for text embeddings and recommendation. (Repo)

### Project 3

#### 3D Gap Traversal for Drones

Autonomous 3D gap navigation using computer vision and sensors. (Report)

## MOST PROUD OF



### Work Achievements

My ML solutions were recognized and will be productified! I filed five patent application so far in teleco-AI.



### Bachelor Final Year Project

Won first place award on 50+ engineering teams devising a machine learning solution for combating global warming. (Article)



### Academic Excellence

Karl Engver’s Foundation Scholarship Award during Master’s and AUB Scholarship for Academic Excellence during Bachelor’s

## STRENGTHS

Python, Machine Learning, Deep Learning, Computer Vision, Natural Language Processing, Data Engineering and Feature Stores, Cloud (GCP-AWS), SQL, Terraform

## LANGUAGES

English	<div><div></div><div></div><div></div><div></div><div></div></div>
Arabic	<div><div></div><div></div><div></div><div></div><div></div></div>
Swedish	<div><div></div><div></div><div></div><div></div><div></div></div>

## EDUCATION

### M.Sc. in Machine Learning

#### KTH Royal Institute of Technology

Aug 2020 – July 2022

Thesis: Multi-Modal Deep Learning Model for Cellular Traffic Prediction (Report).

### B.Eng. in Computer and Communications Engineering

#### American University of Beirut

August 2015 – June 2020

Thesis: AI-assisted drone for autonomous navigation and treatment of pine trees in Lebanon (Report and demo).

### B.Sc. in Mathematics

#### American University of Beirut

August 2016 – June 2020