

ALI SHIBLI

Data Scientist

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EXPERIENCE

Data Scientist

Ericsson Global AI Accelerator

January 2022 – Ongoing

Stockholm, Sweden

- Working on the Generative AI solutions for modelling cellular network with granular details using computer vision and NLP .
- Developing an innovative LLM tailored for telecom hardware instructions, employing RAG to achieve precision in interpreting and generating complex telecom hardware directives.
- Led and implemented a scheduling system for predicting network demand, based on time series models, outperforming previous approaches, with 5% increase in accuracy and energy reductions.
- Developed and productified “RLDevOps”, a scalable MLOps framework on GCP for solving different telecom problems using RL.

Other Experiences

Part Time and Research Engineer

2019 - 2022

- ML Mentor, KTH: Designed ML workshops for 30+ engineers.
- ML Intern, Ericsson: Developed QA recommendation system.
- ML Researcher, KTH: Explored visual relationship detection using GNNs and developed the image-caption-scraper.
- Network Eng Intern, Touch: Troubleshoot cellular network issues.
- Teaching Assistant for Math and Machine Learning courses.

PROJECTS

Project 1

Link to Code

Image Caption Scraper

- Developed a Python package for scraping and downloading images with captions from various websites, enhancing dataset creation for data analysis and machine learning projects.
- Actively under development, the tool has garnered over 4500 users, widely used in AI training and web scraping.

Project 2

Link to Code and Report

Recommendation Engine for Spotify, Netflix, and GoodReads

- Developed a hybrid neural network-based recommendation engine, uniquely combining collaborative filtering and content-based methods, tailored for media platforms like Spotify, Netflix, and GoodReads.
- Utilized advanced Transformer models for generating text embeddings, enhancing the accuracy and relevance of recommendations by deeply understanding user preferences and content features.

MOST PROUD OF



Work Achievements

My ML solutions are recognized and productified, and I filed five patent application during my first 1.5 years



Bachelor Final Year Project

First place award on 50+ engineering teams designing 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, GCP-AWS-Azure, SQL, Terraform, Spark

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