Amin Bolakhrif

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EXPERIENCE

Data Scientist   Oct. 2023 – Present
Dema.ai   *Stockholm, Sweden*

Data Scientist   Aug. 2021 – Oct. 2023
ICA Gruppen   *Stockholm, Sweden*

Developed, designed, and productionalized sales-oriented AA/AI solutions to deliver business value across multiple domains, including *grocery stores*, *pharmacies*, and *retail banking*.

Worked on multiple use-cases, including *Semantic Categorization*, *Competitor Market Shares Estimations*, *Personalized Offers*, *Customer Lifetime Value*, *Next-Best-Offer Framework*, and various analyses to validate/reject business-related hypotheses within the group company.

Key Technologies: PySpark, BigQuery, Vertex AI, DBT, SAS, Ansible, CI/CD, SQL

Research & Development Intern   Jan. 2021 – Sept. 2021
Ericsson   *Stockholm, Sweden*

Designed and developed a machine learning system to forecast network traffic flows. The system facilitates increased user quality experience through optimized resource management as accurate forecasts enable strategic mobilization of resource-heavy radio features.

- Published in *2022 IEEE 95th Vehicular Technology Conference*

Software Engineer   Jun. 2020 – Apr. 2021
CommuteSaver (Part-time)   *Stockholm, Sweden*

Developed an innovative system that predicts and measures commuting-induced CO_2 emission using activity recognition and geolocation data to enable users and organizations to shift towards more pro-environmental ways of transportation for a more sustainable future.

- Spearheaded concept validation, development, and productionalization of the solution.
- Architected and developed a web application for the solution, ensuring user experience and optimal performance.

Key Technologies: Python, FastAPI, GCP Cloud Run, Supabase, SQL, Typescript, React, Next.js

EDUCATION

Royal Institute of Technology   Stockholm, Sweden
Master of Science in Machine Learning   *Aug. 2019 – Aug. 2021*

Royal Institute of Technology   Stockholm, Sweden
Bachelor of Science in Engineering Physics   *Aug. 2016 – Jun. 2019*

PUBLICATIONS

Bolakhrif, Amin et al. (2022). "AI-Assisted Network Traffic Prediction Without Warm-Up Periods". In: *2022 IEEE 95th Vehicular Technology Conference: (VTC2022-Spring)*, pp. 1–6. DOI: 10.1109/VTC2022-Spring54318.2022.9860997.

TECHNICAL PROFICIENCIES

Software: Python, SQL, NumPy, Scikit, Pandas, Keras, SAS
Domains: Retail Sales, E-Commerce & Retail Banking
Other: Google Cloud Platform, Vertex AI, DBT, BigQuery ML, Cloudera, Docker, Agile, Git, CI/CD