

Ila Amini

Data Analytics | Artificial Intelligence

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Professional Summary

A proactive and analytical artificial intelligence engineer, with in-depth knowledge of data analytics. Experienced in building and maintaining end-to-end data pipelines, predictive ML models, and deriving actionable insights from large datasets. 5+ years of Python programming, 3+ year of developing learning models, in-depth knowledge of mathematics and statistics, and am comfortable working with the most popular data tools. Quick to learn, innovative, highly ambitious, and committed to growth.

Work Experience

Junior Associate within Quantitative Credit Research

Mar 2023 - Aug 2024 | Capital Four, Copenhagen, Denmark

- Built ETL pipelines and handled automatic data integration and pre-processing of market data
- Implemented end-to-end ML pipelines on large time-series data to uncover key trends and correlations along with in-depth analysis
- Created dynamic, real-time visualizations to monitor key metrics and present actionable insights, supporting strategic, data-driven decision-making
- Designed and executed test cases to validate the accuracy of data analysis results
- Delivered and presented reports to non-technical stakeholders on regular basis, translating complex concepts into accessible language

Student Assistant in Revenue Operations

May 2022 – Dec 2022 | Siteimprove, Copenhagen, Denmark

- Ensured consistency and quality of revenue and operational data across multiple systems
- Delivered ad-hoc reports and data insights to support sales team operations and strategic planning

Artificial Intelligence Intern

Oct 2020 - Oct 2021 | KNTU, Tehran, Iran

- Extensive work on Neural Networks implementation and designing suitable metrics for model evaluation
- Delivered NLP sentiment analysis tasks, along with dynamic model testing and evaluation to ensure accuracy.
- Applied clustering learning techniques on unstructured datasets, and identified patterns and hidden meanings

Education

Technical University of Denmark, Copenhagen, Denmark

Feb 2022 – Jul 2024 | MSc in Autonomous Systems

- GPA: 3.6/4.0

Hamedan University of Technology, Hamedan, Iran

Sep 2014 – Sep 2018 | BSc in Robotics Engineering

- GPA: 3.8/4.0

Technical Skills

Programming Languages:

Python, SQL, R

Data Analytics Tools:

NumPy, Pandas, Scikit-Learn, XGBoost, Power BI, Spark

ML Frameworks:

PyTorch, TensorFlow

Other:

GitHub, Microsoft Azure, FastAPI

Portfolio

End-to-End Traffic-Accident Forecasting Pipeline

<https://github.com/Ila-22/AI-Model>

- Clean, modular Python codebase using scikit-learn, XGBoost, and pandas
- Engineered features from time-series accident data
- Built & serialized forecasting ML models
- Visual trend tracking reports
- Deployed FastAPI service on Heroku for real-time predictions

Certifications

Exploratory Data Analysis for Machine Learning

IBM | Mar 2025

[Credential URL](#)

Skills: Data Modeling, Feature Engineering, Data Transformation, Probability & Statistics