

Mina MoazamiGoudarzi

Researcher — Data Analyst — Machine Learning & AI — BI & Reporting

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Summary — Recent Master's graduate in Biomedical Engineering with hands-on experience in health data analysis, BI reporting, and machine learning. Skilled in transforming large and complex datasets (EEG, ECG, motion sensor and clinical data) into meaningful insights through Python, SQL, Power BI dashboards, and statistical modeling. Motivated to contribute to both research projects in health technology and data analytics and reporting/management tasks, where structured analytics can support strategic work and decision-making.

Skills

Programming & Tools: Python (Pandas, SKlearn, Pytorch, Tensorflow, OpenCV), SQL, MATLAB, Git

Data Analysis: Time-Series Analysis, Anomaly Detection, KPI Tracking, Feature Extraction, Algorithm Development

BI & Reporting: Power BI (Dashboard, DAX, Power Query), Excel (Pivot Table, Power Pivot), Matplotlib, Seaborn

Machine Learning & AI: Deep Learning (CNNs, RNNs, LSTMs), Predictive Modeling, Classification, Statistical Analysis

Data Quality & Handling: Data Cleaning, Validation, Modeling, Quality Monitoring, Denoising, Reproducible Workflows

Communication & Collaboration: Cross-functional Teamwork, Scientific Reporting, Presentations, Documentation

Experience

Independent Projects, Turku, Finland

08/2024 – Present

Data Analytics and Reporting Practice

- Designed interactive Power BI dashboards using real-world datasets from healthcare and sales.
- Created KPIs and performance metrics using DAX in Power BI; applied Power Query for data shaping.
- Applied SQL for data cleaning, transformation, and aggregation across multiple sources.
- Built visual summaries to support analysis and data-driven decisions.
- Documented project results and dashboards on GitHub to showcase practical BI and analytics skills.

Benete Oy, Turku, Finland

01/2024 – 05/2024

Data Analyst Intern

- Analyzed sensor data in Elderly care environments, identifying trends to support operational insights.
- Developed Python-based visualizations and automated data reports to assist care team decision-making.
- Handled missing data issues, improved data integrity and enhanced reporting reliability by ensuring 99% data accuracy.
- Ensured data quality and integrity through continuous validation and monitoring.

University of Turku, Turku, Finland

06/2023 – 07/2023

Data Analyst Intern

- Analyzed Large EEG and physiological time-series datasets, supporting clinical decision-making.
- Conducted feature extraction and preprocessing pipelines to improve data usability.
- Collaborated with research team on the "Computing in Cardiology 2023" challenge to extract key features from datasets.

Education

K. N. Toosi University of Technology, Tehran, Iran

09/2019 – 02/2023

Master of Science in Biomedical Engineering

- **Thesis:** Sleep Apnea Classification using ECG and Deep Learning
- **GPA:** 3.27/4.0
- **Core Focus:** Health data analysis, Signal Modeling, Machine learning, Predictive modeling techniques, Computer vision.
- **Honors:** National Full Graduate Scholarship, Top 5% in Master's entrance exam;

Bu-Ali Sina University, Hamadan, Iran

09/2014 – 09/2018

Bachelor of Science in Electrical Engineering

- **Thesis:** Smart Cards
- **GPA:** 3.1/4.0
- **Core Focus:** Embedded systems, Electronic devices, System design.

Languages

English: Working Proficiency — **Finnish:** Working Proficiency (YKI testi: 3/4)

References

Kari Bäckman, Managing Director, Benete Oy, Turku, kari.backman@benete.com

Prof. Antti Airola, Professor, Department of Computing, University of Turku, ajairo@utu.fi