

Mohamad Nabeel

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Profile:

Data Scientist with 3+ years of experience related to AI/ML. Proficient in predictive modeling, data processing, and data mining algorithms. Key accomplishments in the research and business field including but not limited to: Application of Natural Language Processing techniques, Generative modeling, and anomaly detection. I have a solid background in industrial economics and technology management from top European universities, which brings a unique engineering perspective to my role. I am currently a Data Scientist at Ericsson.

Experience:

06.23 – Current **Data Scientist, Ericsson, Stockholm**

- **Test Code Generation:** I have prompt-tuned LLMs for the purpose of generating code and generate test cases for RAN-environment.
- **Detection of faulty software logs:** Furthermore, I have taken on a role on detecting software log in the 4G/5G Radio Access Networks using pre-trained language models such as BERT.
- **Time-Series Anomaly Detection:** I designed a reconstruction- and forecasting-based anomaly detector by utilizing Diffusion Models to detect software faults in 4G/5G Radio Access Networks.

Education:

09.21– 06.23 **M.S.c Machine Learning, KTH Royal Institute of Technology (GPA: 4.91/5.0)**

- This program delves into the theoretical and practical aspects of Machine Learning and its fundamentals. The program also delves into exploiting Machine Learning in different domains, data, and tasks. All from classification, and regression to generation and uncertainty estimation.
- **Relevant courses:** Deep Learning in Data Science, Machine Learning Advanced, Deep Learning Advanced, Regression Analysis, Time-Series Analysis, Project Course in Data Science.

09.21 - 06.22 **M.Sc. Computer and Systems Sciences, Stockholm University (GPA: 4.38/5.0)**

- This program covers the studies of knowledge about computers, programming, data communication, databases, and business intelligence, as well as it deals with the interaction between IT, people, and organizations. It also includes models and tools for analyzing and designing systems and knowledge of project management.
- **Relevant courses:** Management of IT-resources, Risk Management, Digital Business Strategies and Change Management.

09.17 - 06.22 **M.Sc.Eng. Industrial Engineering and Management, Mid Sweden University GPA: 4.5/5.0**

- In Industrial organization and management, studies of technology are combined with studies in economics and management. The core of the subject consists of applying systematic methods to understand how a variety of values are generated or lost, in different organizations. Moreover, the program uses concepts as mathematical models for estimating costs, financial risks, managing uncertainties and analyzing complex decision problems to find an optimal control of a logistics system or to identify an optimal product or project portfolio.
- **Relevant courses:** Databases, Microeconomics, Mathematical Statistics, Accounting, Risk & Decision Analysis, Programming (Python, C++, JavaScript), Advanced mathematics courses.

Languages: Arabic (Fluent), Swedish (Fluent), English (Fluent), Spanish (Intermediate)

IT skills: Excel, PowerPoint, Word, Python, GCP, Kubeflow, Excel, SQL, PHP, JavaScript, HTML, R, CSS, MS Teams, TensorFlow, PyTorch, JAX, MATLAB, Git, CI/CD.