Nemat Aloush

Machine Learning Engineer

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SUMMARY

Machine Learning Engineer with a Strong Software Engineering Background. Experienced in Python, SQL, data preprocessing, exploratory data analysis, and machine learning techniques. My software engineering experience has equipped me with skills in object-oriented programming and exposure to diverse programming languages such as Java, C++, and C#. I am seeking opportunities where I can continue to learn and make a meaningful impact.

EDUCATION

Master's Degree in Applied Mathematics and Informatics   Saint Petersburg, Russia

ITMO University

Relevant Courses: Advanced Machine Learning, Natural Language Processing, Data Visualization, Big Data, Algorithms, Architecture of Neural Networks, and Multivariate Data Analysis.

Bachelor's Degree in Software Engineering   Damascus, Syria

HIAST Institution

Relevant Courses: Object Oriented Programming, Software Development, Web Development, Database System Applications, Design Patterns, Data Structures, Algorithms, and Project Management.

ACADEMIC PROJECTS

Semantic Search Engine

- Developed a Semantic Search Engine to provide meaningful search results, going beyond literal word matching.
- Utilized Java as the primary programming language, along with Natural Language Processing and Information Retrieval techniques.
- The engine effectively searches user queries within a dataset of BBC News documents.

Air Disasters Analysis

- Conducted an in-depth investigation of a real-world dataset on aviation disasters from 1919 to September 2022.
- Utilized Python and analytical tools to interpret and present complex data through clear, digestible visual graphs, enhancing understanding of aviation safety trends.

WORK EXPERIENCE

Teacher Assistant   Damascus, Syria | Apr 2021 - Sep 2021

Syrian Virtual University

- Led hands-on coding sessions and problem-solving exercises to teach algorithm thinking in C# to first-year software engineering students, enhancing their foundational knowledge and practical skills.

Software Engineer Intern   Damascus, Syria | Jul 2019 - Sep 2019

Syriatel Mobile Telecom

- Developed a Social Network Analysis system using R programming language.
- Designed a user-friendly system to assist individuals unfamiliar with social network analysis, featuring functions like influencer detection and community discovery.
- Collaborated with two academic supervisors and a technical supervisor, resulting in high-quality work that ranked first among my peers.