AMIR YATIV

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About Me

I am a proactive 4th-year IEM student specializing in intelligent systems. With a strong academic foundation in industrial engineering and management, I possess a keen analytical mindset and a passion for problem-solving and optimization. I am driven by the opportunity to help organizations navigate complex challenges and optimize their operations through innovative and sustainable strategies. I am eager to contribute my skills, enthusiasm, and strong work ethic to make a positive impact.

Education

Industrial Engineering And Management with an emphasis on intelligent systems, Ben Gurion University. 2019-2024

main courses and Projects :

Machine learning - Applied machine learning methodologies to develop robust predictive models, prominently contributing to an exploratory data analysis (EDA) and project implementation. Proficiently utilized Python libraries including Pandas, NumPy, Scikit-learn, and NLTK to implement advanced algorithms such as ANN, Decision Trees (Random Forest), and SVM for a successful fraudulent job detection project, achieving 97.7% accuracy. (using Python).

IIOT - Implemented distributed algorithms, including MGM, MGM2, DBA, LMADS, and Max Sum, for Dynamic Task Assignment and optimization problems within the framework of IIoT. Applied these methodologies to effectively address complex task allocation and optimization challenges. (using Python).

Business Intelligence - Focused on strategic BI applications and analytics, emphasizing data-driven decision-making and performance measurement. Utilized Tableau to design and implement a BI project, analyzing and visualizing company data to facilitate actionable insights and support business decisions. (using Tableau and Excel).

Analysis and design of information systems – Executed system analysis and leveraged object-oriented methodologies, such as UML and CASE tools, to engineer a tailored information system for a specific carpenter's business operations. Emphasized optimization strategies, integrating dynamic, real-time updates for resource management and creating reports for the manager. (using C# and SQL).

Databases - Gained expertise in Database Management Systems, covering ER model design, normalization, SQL operations, and advanced retrieval techniques. Proficient in database management tools, query optimization, transaction management, and client-server architectures.(using SQL).

Ongoing Final Project on ANN - Conducted an in-depth analysis comparing the impacts of network depth versus width on ANN performance. The study involved designing, training, and testing various ANN architectures to understand how these dimensions influence learning capabilities and prediction accuracy. This project provided valuable insights into optimal ANN configurations for different types of data sets and problem statement (using PyCharm).

Work Experience

Private Math Teacher 2019-2020

Office Manager Of The HAREL-YATIV Law Firm 2018-2019

- Administration and control of ten employees on an ongoing basis, including hiring and training.
- Implementing and working with the CRM customer management system.
- Dealing with potential clients and holding legal consultation meetings.
- Generated crucial reports, contributing valuable insights and aiding informed decision-making processes

Military Service

Communications Warrior In The Artillery Corps

- Operation of advanced and crucial communication systems in the field
- Work under pressure

Programming Languages & skills

- Programming languages: Python, Java, SQL, C#, VBA, R
- Work environments: PyCharm,Microsoft SQL Server, Eclipse, RStudio, VBA, CRM and SolidWorks.

Languages

- Hebrew
- English