Shani Hazan

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3rd Year Student B.Sc. in Digital Sciences for Hi-Tech & Biology at Tel Aviv University, Faculty of Engineering.
Passionate to create a real-world impact, solve real challenges and motivated to learn and absorb new technologies.
Professional, responsible, self-learning with experience in project management and team management under pressure.

Education

B.Sc. in Digital Sciences for Hi-Tech & Biology / Faculty of Engineering, Tel Aviv University **2021 - PRESENT**
Grades: Data Structures & Algorithms 91, Hardware Design 91, Machine Learning 88, Data Analysis 90, PMO 92.
Python Programming Course / John Bryce College
WIN Server 2012 Course / HackerU
Network management course / Israel Defence Force **2018 - 2019**

Experience

Commander of IT, infrastructure and networks operational teams / ICT Corps, Israel Defense Forces
2019 - 2021
- Led an operational department that includes the IT, networks and infrastructure teams, which includes 20 members.
- Reduced the average time to fix network problems in the field by 80% and the number of malfunctions by 70%.
- Created project timelines and distributed work to ensure that projects vital to national security were completed reliably on time.

Commander of IT Support Team / ICT Corps, Israel Defense Forces
2018 – 2019
- Led an operational team of 12 members responsible for IT, oversaw the personal well-being of a large group of soldiers.
- Experienced in managing large infrastructure projects independently.

IT Support / ICT Corps, Israel Defense Forces
2017
- Automated network administration processes using Python, this saved hours of daily work, allowing network administrators to spend more time learning new tools and becoming more professional at work.

Projects

- **Determining Malicious Files in Machine Learning** - built a model capable of predicting the likelihood that a given file will contain malicious intent by examining the given executable (.exe) files. The work included exploration of the data, pre-processing, feature extraction, execution, and evaluation of classic machine learning and deep learning algorithms. The project was completed in **Python** in a team of two people and culminated with an evaluation on life-like test data.
- **Factors Affecting Honey Bee Colony Loss in The USA in Data Analysis** - Performed data analysis of a honey bee colonies in the US dataset in order to understand what affects bee colony loss. This included data import, data tidying, data transformations, visualization, and modeling using **RStudio**.

Professional Knowledge

- Languages: Hebrew (native), English (fluent).
- Programming: **Python, Java, C#, C**.
- Knowledge of design patterns, Multithreading, Microservices, SQL, OOP, Git, AWS, SOLID Principles.