

Or Muller

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Education

Ben-Gurion University of the Negev

B.Sc. in Industrial Engineering – Specialization in Intelligent Systems

2021 – 2025

M.Sc. in Data Science (expected)

2025 – 2026

Experience

Software Developer Intern

Accenture – Herzliya, Israel

2024 – 2025

- Developed ARN (Automated Release Notes) using FastAPI, Azure DevOps, LangChain, and NLP.
- Built backend for fetching and parsing data with LangChain.
- Reduced a 3–4 hour manual process to a 2-minute background task.

Teaching Assistant – Deterministic Models in Operations Research

Ben-Gurion University of the Negev

2024 – present

- Conducted tutorials on linear programming and optimization.
- Assisted students with problem-solving, assignments, and projects.
- Prepared and graded exams and coursework.

Assistant Researcher

Ben-Gurion University of the Negev

2023 – 2024

- Conducted research on displacement solutions in disaster scenarios with focus on algorithmic development.
- Developed and implemented game-theory algorithms for optimizing resource allocation and evacuation strategies.
- Collaborated with research team to model decision-making processes in emergency response scenarios.

Projects

Belief Propagation Simulator

[GitHub: Belief Propagation Simulator](#)

- Built a modular simulator for message-passing algorithms on factor graphs.
- Integrated enhancements: Splitting, Damping, Tree Decomposition, Cost Reduction.
- Tools: Python, NumPy, SciPy, NetworkX, multiprocessing, Numba.

Machine Learning Model Comparison

[GitHub: ML Project](#)

- Processed a 2M-entry dataset with custom features and filtering.
- Compared AdaBoost, Random Forest, Neural Networks, and clustering models.
- Achieved F1-Score of 0.84 with tuned neural network.
- Tools: Python, Scikit-learn, Pandas.

Technologies

Languages: Python (proficient), Java, SQL

Frameworks/Tools: FastAPI, Docker, Linux, Azure DevOps API, Git, GitHub, LangChain, NumPy, Pandas, Scikit-learn, PyTorch, TensorFlow, NetworkX, Matplotlib, SciPy