Itay Ben-Dan

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**Professional Summary**

Senior Data Scientist and Machine Learning Engineer with extensive experience in data engineering, model development, deployment, and maintenance. Proficient in Python, C/C++, with a strong background in HW-System architecture. Expertise in developing datasets, AI models, and training AI models for advanced system architecture Power and Performance features.

**Professional Experience**

2017-Present: Machine Learning and Data Science Consultant

Developed predictive models from scratch, including deployment.

Conducted exploratory data analysis and advanced feature generation.

Integrated data from various sources into unified formats.

Developed policy generative models using reinforcement learning.

**Education**

2009: Ph.D. in Mathematics, Technion, Haifa

Topic: Discrete Geometry

Supervisor: Dr. Rom Pinchasi

**Key Skills**

Programming Languages: Python, C++, R, Java

Machine Learning Frameworks: TensorFlow, PyTorch, Scikit-learn

Data Analysis Tools: Pandas, NumPy, SQL

Other Technologies: Docker, Kubernetes, AWS, Git, Linux