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 and software development. 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++, Java
* ● Machine Learning Frameworks: TensorFlow, PyTorch, Scikit-learn
* ● Data Analysis Tools: Pandas, NumPy, SQL
* ● Other Technologies: Docker, Kubernetes, AWS, Git, Linux