Nataniel Pinchas Saadon

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RELEVANT EXPERIENCE

The Towne Group   **Howell, NJ**
Director of AI Automation and Innovation   *November 2025 - Present*
- Orchestrated an organization-wide offboarding framework supporting 1,800+ employees, improving security, compliance, and operational efficiency across systems
- Architected and deployed LLM-powered meeting intelligence pipelines leveraging Microsoft Graph and AI transcription to generate automated records, sentiment insights, summaries, and follow-up tasks for 100+ client success meetings per day
- Modernized internal task and project management architecture, improving cross-team visibility, execution tracking, and operational governance

Machine Learning & Data Analytics Team Lead   *June - December 2025*
- Led enterprise data engineering initiatives, building migration pipelines from Statwise and PointClickCare into Azure for reporting and machine-learning data initiatives servicing 2 subsidiary companies
- Directed an internal data audit across 9 subsidiary organizations, improving data integrity and governance
- Managed and mentored a cross-functional team of 6 data scientists and data engineers, establishing Agile/Kanban workflows, CI/CD pipelines in Azure DevOps, and scalable engineering best practices
- Guided development of a predictive ML model identifying nurse attrition risk, enabling preemptive workforce planning and retention strategy utilizing Scikit-lear

Bristol Myers Squibb   **Summit, NJ**
AR and VR Associate Specialist Developer   *April - September 2023*
- Developed immersive virtual tour walk-through experiences of site and lab locations utilizing Unity and C#
- Conducted group user testing for VR modules focused on lab simulations and procedural training, used user data from testing to modify modules, resulting in improved user satisfaction rate of 74%

Drexel College of Computing & Informatics   **Philadelphia, PA**
Senior Technical Assistant   *January 2020 - March 2023*
- Designed Python algorithm enabling seamless consolidation of diverse academic data from Excel files, employing automated merging and column mapping
- Implemented web scraping techniques to pull and update data from web pages managed by Drexel College of Computing & Informatics, saving approximately 80 hours of manual work
- Built automotive web application using Selenium and Python for bulk deleting course shells resulting in saving 30 minutes of time per deletion of course shell

Vanguard   **Malvern, PA**
Machine Learning Engineer   *March - September 2022*
- Redesigned interface and resolved AWS and Bitbucket data loading issue for machine learning based data aggregation tool resulting in a 51% increase of site utilization
- Overhauled established pipeline, implemented logging and unit tests, reconstructed model using object oriented development practices and converted a complex R model into Python, which collectively resulted in a 21% reduction in execution time

Bristol Myers Squibb   **Princeton, NJ**
Data Engineer   *March 2021 - March 2022*
- Designed automotive pipeline utilizing Selenium and Domino for monitoring onboarding of new hires saving upper management approximately 1 hour and 45 minutes a week
- Created automotive python solution for monthly termination monitoring reporting, which led to the process speeding up from 2 hours down to 20 minutes

EDUCATION

Machon Yaakov, The Rabinowitz Institute, Jerusalem
Fellowship Consisting of Talmudic Law, Philosophy, and Ethical Leadership   June 2025
Drexel University, Philadelphia, PA   3.6 GPA
Bachelor of Science Software Engineering   June 2024

TECHNICAL SKILLS

Programming & Data: Python, SQL, Java, C#, JavaScript, REST APIs, Data Modeling
Cloud, DevOps & Security: Azure, AWS, CI/CD (Azure DevOps), Git, Secure Auth (CLI, Key Vault, Secrets), API
Automation & Enterprise Platforms: Quickbase, Power Automate, Zapier, n8n, Microsoft 365