

Mahmoud Saad

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Work Experience	Merck Pharmaceuticals	WestPoint, PA Sep 2024 – Dec 2024
	<ul style="list-style-type: none">Designed an Automated Notification Engine using Power Automate and Dataverse; cut manual effort by 4,300 hours annuallyDeveloped four automation flows for regulatory and HR emails, reducing error rates by 30%Integrated SharePoint and Dataverse to streamline data consistency across departmentsLed weekly stakeholder meetings to refine processes and ensure compliance with regulatory standards	
	New Jersey Institute of Technology	Newark, NJ Feb 2024 – Aug 2024
	Artificial Intelligence Research Assistant <ul style="list-style-type: none">Boosted AI segmentation accuracy by 88% through generating synthetic datasets with NVIDIA Omniverse Isaac Sim.Conducted rigorous quality audits to safeguard data integrity.	
Education	New Jersey Institute of Technology Bachelor of Science in Computer Science	Newark, NJ Dec 2024
Projects	Automated Budgeting & Forecasting Model	Feb 2025 – Mar 2025
	<ul style="list-style-type: none">Automated monthly budgeting with Excel, Power Query, and VBA, cutting manual data entry by 70% and consolidating budgets for a 25% accuracy boost.Integrated budgets into an income statement model with Power BI for real-time variance insights.	
	Sales Dashboard	Feb 2025
	<ul style="list-style-type: none">Built a Power BI dashboard using a star schema to compare budget vs. actual revenue.Highlighted key revenue variances to drive immediate adjustments in sales strategies and cost management.	
	End-to-End ETL Data Analysis: Sentiment Analysis with BERT	Sep 2024 – Dec 2024
	<ul style="list-style-type: none">Achieved 92% classification accuracy by training a BERT model on three datasets.Automated a real-time ETL pipeline to ingest and transform Reddit data using AWS Lambda and S3.Built a full stack app that delivered actionable insights, enhancing forecasting and strategic planning.	
	Algorithmic Trading Report	Feb 2025 – Mar 2025
	<ul style="list-style-type: none">Pulled and transformed one-minute trade data from BigQuery using SQL, making it analysis-ready.Delivered actionable insights that drove a shift to increased short trading, doubling profits and reducing night trading losses by 45%.	
	Technical Skill	
	Financial Analysis & Reporting Tools: Advanced Excel (Pivot Tables, Power Query, VBA), Power BI, DAX Data Analytics & Programming: Python, SQL Cloud & Data Management: AWS (Lambda, S3, DynamoDB), BigQuery	
Certs	Microsoft Certified: Power BI Data Analyst Associate (PL-300) Google Advanced Data Analytics AWS Certified Cloud Practitioner	Feb 2025 Sep 2024 Oct 2024