

San Diego, CA

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*U.S. Permanent Resident — No Sponsorship Required***EDUCATION**

<b>Master of Science in Business Analytics</b> , Rady School of Management University of California, San Diego, CA   GPA: 3.95	06/2026
<ul style="list-style-type: none"> <li>Relevant Courses: Business Analytics, Predictive Analytics, Customer Analytics, Supervised Machine Learning, Web Mining &amp; Recommender Systems, Data Engineering</li> </ul>	
<b>Bachelor of Science, Architectural Engineering</b> The American University in Cairo, Cairo, Egypt	01/2014
<b>Bachelor of Business Administration, Finance</b> The American University in Cairo, Cairo, Egypt	01/2014

**EXPERIENCE**

<b>Senior Vice President</b> , Strategic Venture Manager, Bank of Egypt, Cairo, Egypt <i>Egypt's second-largest national bank with over 700 branches serving 10+ million customers</i>	03/2020 - 06/2023
<ul style="list-style-type: none"> <li>Coordinated strategic analytics with McKinsey &amp; BCG analyzing 15+ sectors using regression models and macroeconomic indicators, identifying \$100B export potential (20% of industrial GDP); presented insights to cabinet ministers</li> <li>Built predictive panel regression models in Python (Pandas, statsmodels, scikit-learn) to isolate impact of currency fluctuations on export volumes, achieving 12% efficiency improvement</li> <li>Engineered interactive dashboards using Tableau and Plotly to visualize real-time sectoral performance metrics across 15+ sectors</li> <li>Served on IMO leadership committee during acquisition of Egypt's second-largest investment bank, coordinating data-driven integration strategies</li> </ul>	
<b>Manager</b> , Corporate and Credit, Corplease S.A.E, Cairo, Egypt <i>Egypt's largest financial leasing company with approximately 20% market share</i>	07/2018 - 03/2020
<ul style="list-style-type: none"> <li>Developed credit risk models using logistic regression and decision trees analyzing debt-to-income ratios, repayment behavior, and macroeconomic indicators to reduce default rates</li> <li>Built automated ETL pipelines using Python and Excel VBA to streamline credit evaluation for 250+ clients, reducing assessment time by 40%</li> <li>Created executive dashboards tracking portfolio health, risk scores, and lending performance using SQL</li> <li>Supervised team of 6 analysts to achieve \$20M annual lending target while maintaining portfolio quality</li> </ul>	
<b>Senior Officer</b> , Corporate and Credit, Corplease S.A.E, Cairo, Egypt	07/2016 - 07/2018
<ul style="list-style-type: none"> <li>Managed portfolio of 30 corporations, leveraging statistical analysis and segmentation to identify cross-selling opportunities, achieving 4% revenue growth</li> </ul>	
<b>Officer</b> , Corporate and Credit, Corplease S.A.E, Cairo, Egypt	07/2014 - 07/2016
<ul style="list-style-type: none"> <li>Conducted market research and competitive analysis using data collection and statistical techniques to identify trends in the leasing sector</li> </ul>	

**ACADEMIC PROJECTS**

<b>Marketing Campaign Response Prediction</b> — UCSD Rady <ul style="list-style-type: none"> <li>Built ML models to predict campaign response using logistic regression with interactions, random forest, and XGBoost; performed feature engineering, hyperparameter tuning, and model comparison</li> </ul>	Winter 2026
<b>FIFA 2026 World Cup Winner Prediction</b> — UCSD Rady <ul style="list-style-type: none"> <li>Developed predictive models using historical match data, team rankings, and player statistics; applied classification and ensemble methods with cross-validation</li> </ul>	Fall 2025
<b>Web Mining &amp; Recommender Systems</b> — UCSD Rady <ul style="list-style-type: none"> <li>Built collaborative filtering and content-based recommender systems; applied web mining to extract insights from unstructured data</li> </ul>	Fall 2025

**SPECIALIZED SKILLS**

- Languages & Libraries:** Python (Pandas, NumPy, Polars, scikit-learn, statsmodels, Matplotlib, Seaborn, plotnine), SQL, Excel VBA, Git
- ML & Statistics:** Regression (Linear, Logistic, Lasso, Ridge), Classification, Clustering, Random Forest, XGBoost, NLP, Recommender Systems, A/B Testing, Time Series, Feature Engineering
- Tools:** Jupyter, Tableau, Plotly, ETL Pipelines
- Business:** Strategic Planning, Project Management, Stakeholder Management, Financial Analysis
- Certifications:** Stanford ML, UPenn Python & Statistics, Imperial College Math for ML, UC Davis SQL, UCSD Probability