SHANEEZA HASNANI, CFE

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TECHNICAL SKILLS
Programming & Data: R, Python, SQL, C++, Scala, SAS, SPSS
Visualization & BI: Tableau, Microsoft Power BI, Excel (Advanced)
Machine Learning: Random Forest, Logistic Regression, Decision Trees, Anomaly Detection, Predictive Analysis

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EDUCATION
American University, Kogod School of Business   **Washington, DC**
Master of Science in Business Analytics & AI   *December 2026*
Concentration: Data Science
Relevant Coursework: Applied Managerial Statistics, Database and AI, Business Intelligence, Predictive Analytics with Machine Learning, Business Insights through Analytics, Quantitative Methods and Data Analysis in Finance

CUNY John Jay College of Criminal Justice   **New York, NY**
Bachelor of Science in Fraud Examination and Financial Forensics   *May 2025*
Minor: Computer Science

PROFESSIONAL EXPERIENCE
EduGuide Overseas Pvt. Ltd.   **Mumbai, India**
Fraud Data Analyst   *June 2021 – November 2025*
- Engineer anomaly detection models in Python (Random Forest, Logistic Regression).
- Classify an average of 200k+ high-risk transactions monthly using a self-developed model.
- Enhance fraud detection accuracy by 25%.
- Analyze 500+ payment datasets monthly using SQL and Python.
- Reduce suspicious student applications by 20% annually via automated scoring pipelines.
- Design and automate Power BI dashboards, streamlining review time by 15%.
- Deliver prescriptive, data-driven recommendations to admissions, compliance, and IT teams.

Guidehouse, Inc.   **New York, NY**
Financial Crime & Investigative Services Intern   *June 2024 – August 2024*
- Developed and optimized fraud detection workflows for 20,000+ ACH/wire transfers.
- Applied feature engineering and SQL-based data preparation.
- Detected 50+ high-risk transaction patterns.
- Presented capstone on wire transfer anomaly detection.
- Integrated ML and risk scoring to strengthen compliance monitoring by 30%.
- Influenced directors through technical presentations and solution adoption.

State of New York, Office of the Attorney General, Medicaid Fraud Control Unit   **Hauppauge, NY**
Fraud Audit Intern   *June 2023 – August 2023*
- Conducted data analysis on provider billing and claims transactions.
- Collaborated across four Medicaid fraud investigations.
- Identified $500K+ in recovery anomalies using SQL and statistical validation.
- Consulted with investigators to streamline evidence review.
- Leveraged prescriptive analytics to accelerate fraud case resolution by 20%.

PROJECTS
Computer Networking, CUNY John Jay College of Criminal Justice   **New York, NY**
Credit-Card Transaction Fraud Model - Python, Excel   *October 2024*
- Engineered Random Forest and Decision Tree classifiers on 10,000+ real-time transactions.
- Attained 99.96% accuracy and 97.25% recall for abnormal payment detection.
- Regulated false positives under 0.02%, enabling reliable deployment for financial institutions.

CERTIFICATIONS AND AWARDS
Certifications: Certified Fraud Examiner (CFE) – 2025
Awards: ACFE Ritchie-Jennings Memorial Scholarship – 2024