

# 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

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## 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%.

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## 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.

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## CERTIFICATIONS AND AWARDS

**Certifications:** Certified Fraud Examiner (CFE) – 2025

**Awards:** ACFE Ritchie-Jennings Memorial Scholarship – 2024