

# SHANEEZA HASNANI, CFE

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## TECHNICAL SKILLS

**Programming & Data:** R, Python, SQL, C++, SPSS

**Visualization & BI:** Tableau, Microsoft Power BI, Excel (Advanced)

**Machine Learning:** Random Forest, Logistic Regression, Decision Trees, Anomaly Detection, Predictive Analysis

## EDUCATION

### American University, Kogod School of Business

*Master of Science in Business Analytics & AI*

**Washington, DC**

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

*Bachelor of Science in Fraud Examination and Financial Forensics*

**New York, NY**

May 2025

Minor: Computer Science

## PROFESSIONAL EXPERIENCE

### Schmidt Special Competitive Studies Project (SCSP)

*Fraud Data Analyst*

**Arlington, Virginia**

January 2026 – Present

- Build and maintain a sponsorship CRM in Airtable, structuring unstructured data across 50+ sponsor records.
- Design interactive dashboards to visualize sponsor engagement trends and event KPIs for leadership.
- Conduct research on AI governance, technology policy, and U.S. competitive dynamics in emerging tech.
- Develop data-driven intake workflows and analytical frameworks to support the annual AI Expo operations.
- Present data insights and strategic recommendations to senior stakeholders across cross-functional teams.

### EduGuide Overseas Pvt. Ltd.

**Mumbai, India**

*Fraud Data Analyst*

June 2021 – November 2025

- Engineered anomaly detection models in Python (Random Forest, Logistic Regression).
- Classify an average of 200K+ high-risk transactions monthly using a self-developed model.
- Enhanced fraud detection accuracy by 25%.
- Analyzed 500+ payment datasets monthly using SQL and Python.
- Reduced suspicious student applications by 20% annually via automated scoring pipelines.
- Designed and automated Power BI dashboards, streamlining review time by 15%.

### Guidehouse, Inc.

**New York, NY**

*Financial Crime & Investigative Services Intern*

June 2024 – August 2024

- Develop and optimize fraud detection workflows for 20,000+ ACH/wire transfers.
- Apply feature engineering and SQL-based data preparation.
- Detect 50+ high-risk transaction patterns.
- Integrate ML and risk scoring to strengthen compliance monitoring by 30%.

### State of New York, Office of the Attorney General, Medicaid Fraud Control Unit

**Hauppauge, NY**

*Fraud Audit Intern*

June 2023 – August 2023

- Identify \$500K+ in recovery anomalies using SQL and statistical validation.
- Leverage 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

- Engineer Random Forest and Decision Tree classifiers on 10,000+ real-time transactions.
- Attain 99.96% accuracy and 97.25% recall for abnormal payment detection.

## CERTIFICATIONS

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