

ESHAAN ARORA

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EDUCATION

The University of Texas at Austin – McCombs School of Business | Austin, TX

May 2025

Master of Science, Business Analytics

- Coursework Includes: Optimization, Advanced Machine Learning, Information Management

Florida State University | Tallahassee, FL

July 2021

Bachelor of Science, Finance and Economics

- Coursework Includes: Calculus, Econometrics, Programming, Investments, Analysis of Economic Data
- Honors Student Association, Dean's List, Mortar Board Honor Society

TECHNICAL PROJECTS

ScanSense AI: Enhanced Self-Checkout with Machine Learning – *University of Texas at Austin*

December 2024

- Developed an AI-powered self-checkout system using ResNet architecture to classify non-barcoded grocery items with 78.6% validation accuracy, addressing challenges like plastic bag obstructions and poor lighting.
- Implemented data augmentation techniques and Cost-Aware Fallback Strategy to improve model robustness and minimize financial losses from misclassification.
- Leveraged OpenCV for image preprocessing and segmentation, enhancing accuracy

Market Dashboard and Tracker – *Personal Project*

October 2024

- Built a real-time financial dashboard using Python and Yahoo Finance API to dynamically monitor market indices
- Integrated web scraping techniques with BeautifulSoup to extract and process live financial data
- Delivered interactive visualizations using Matplotlib to provide clear and data-driven investment insights

Predicting Michelin Star Potential with Data Analytics – *University of Texas at Austin*

October 2024

- Analyzed 78,000+ restaurant reviews using Topic Modeling (LDA), Sentiment Analysis, and Bigram/Trigram Analysis
- Predicted 10 Austin restaurants with Michelin Star potential based on textual and sentiment patterns.
- Identified key differentiators such as chef personality, review length, and dining experience consistency.

DIY Spotify Wrapped: Comprehensive Spotify Song History Analysis – *Personal Project*

September 2024

- Developed an interactive analysis tool in Python to process and visualize Spotify listening data
- Leveraged libraries like Matplotlib and Pandas to identify listening patterns and preferences from historical datasets
- Delivered insights on peak listening times, artist preferences, and genre trends

EXPERIENCE

Fidelity National Information Services, Inc (FIS) – *Senior Auditor* | St. Petersburg, FL

September 2021 - June 2024

- Staffed and led a range of data-driven audit engagements, including financial, IT, and operational audits
- Made findings on value-add observations relating to data security and compliance, upholding company integrity
- Produced comprehensive audit reports, delivering value-add insights and recommendations to business stakeholders

Florida Department of Economic Opportunity – *Program Analyst Intern* | Tallahassee, FL

March 2021 - July 2021

- Transitioned a \$50 million loan program to Salesforce, streamlining loan administration
- Analyzed repayment metrics for bridge loans, and produced user-friendly dashboards for decision makers
- Migrated state municipal bond records to Salesforce, improving data accessibility for stakeholders

TECHNICAL SKILLS

- **Programming & Data Analysis:** Python, R, SQL, Pandas, NumPy, Matplotlib, Tableau, Seaborn
- **Machine Learning & AI:** TensorFlow, PyTorch, Scikit-learn, OpenCV, Topic Modeling (LDA), Sentiment Analysis, TextBlob
- **Tools & Platforms:** Snowflake, SQL Server, Salesforce, BeautifulSoup, Selenium, AWS, Azure, Git, Excel, Neo4j

ADDITIONAL INFORMATION

Languages: Fluent in Hindi, Conversational in Spanish (B1 Level)

Interests: Chess, Duolingo, World History

Work Eligibility: Eligible to work in the United States with no restrictions