SHAURIK DESHPANDE
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EDUCATION

MIT SLOAN SCHOOL OF MANAGEMENT Cambridge, MA
Candidate for Master of Finance, February 2028 2026–Present
- Intended concentration in Financial Engineering
- Coursework: Advanced Mathematical Methods for Financial Engineering, Modern Finance, Corporate Finance; planned: Advanced Analytics of Finance, Nonlinear Econometric Analysis

UNIVERSITY OF NORTH CAROLINA AT CHAPEL HILL Chapel Hill, NC
B.S. Statistics & Analytics, B.S. Computer Science 2020–2023
- GPA: 3.8/4.0; graduated with highest distinction, Phi Beta Kappa, Honors Carolina student, minor in Neuroscience
- Relevant Coursework: Probability (STOR 535), Stochastic Modeling (STOR 445), Optimization (STOR 415), Machine Learning and ML Optimization (STOR 565, 590), Linear Algebra (MATH 347), Algorithms (COMP 550)
- Undergraduate Teaching Assistant, COMP 110 Introduction to Programming

EXPERIENCE

OLIVER WYMAN Raleigh, NC
Senior Analyst Jan 2025–Apr 2026
- Developed broker-dealer probability-of-default component of counterparty credit model for the largest U.S. equity derivatives clearing organization, engineering candidate ratio variables from FINRA filings, applying spline and winsorization transforms to targeted inputs, and validating discriminatory power via Gini and AUC backtesting across 100+ clearing members
- Implemented custom Tobit regression library to estimate censored loss-given-default within commercial real estate credit risk rating model for $200B+ AUM regional bank; led three-analyst workstream and model was adopted as enterprise standard
- Prototyped Python interchange pricing simulation engine for one of the four major U.S. card networks, migrating Excel lookup tables to Snowflake SQL and generating scenario logic programmatically, cutting a multi-day analyst rebuild to a 20X-faster automated run and enabling nontechnical users to test novel pricing strategies

Analyst Jan 2024–Jan 2025
- Re-architected NLP-based M&A culture prediction tool, migrating gigabyte-scale Glassdoor review scoring from local pandas dataframe merges into distributed SQL on AWS Athena; cut per-company runtime from hours to a 15-minute full-corpus materialization the team had assessed as infeasible
- Upgraded culture-scoring pipeline from Google BERT to OpenAI embeddings and prototyped context-aware alternatives to keyword-proximity scoring, extending the model beyond fixed lexicon lookups
- Co-developed restitution methodology for $1B+ customer remediation effort, enabling accurate allocation across millions of accounts and writing detailed documentation for regulatory compliance
- Won Oliver Wyman Retail Business Banking “Shark Tank” Pitch Competition with a tool for payment rail interchange benefit optimization, helping merchants minimize fees

BIOMASON, Biotech startup developing zero-carbon cement Research Triangle Park, NC
Software Engineering Co-op, Part-Time Fall 2023
- Developed modularized automation scripts to process real-time experimental sensor data, increasing feed accuracy by 25% and reducing experiment specification time from hours to minutes
- Revamped web dashboard to visualize material strength metrics, adding live alerts for control loop failures and improving scientist decision-making in real time, cutting latency by 30%

ADDITIONAL INFORMATION

- Technical: Python (NumPy, pandas, scikit-learn, statsmodels), SQL, AWS (S3, Glue ETL, Athena), Snowflake, R, Git, Excel
- Certifications: Passed CFA Level 2 Exam; CFA Level 3 Candidate
- Interests: Cognitive science, quantum computing, a cappella music, climate sustainability