

## NIDHISH NERUR

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### EDUCATION

#### UNIVERSITY OF TEXAS AT AUSTIN, MCCOMBS SCHOOL OF BUSINESS

TX, USA

*Ph.D. in Information Systems*

Fall 2025 – Present

- Advisors: Dr. Indranil Bardhan and Dr. Wen Wen
- Expected Graduation: May 2030

#### MASSACHUSETTS INSTITUTE OF TECHNOLOGY, SLOAN SCHOOL OF MANAGEMENT

Cambridge, MA

*Candidate for Master of Business Analytics, Operations Research Center, August 2025, GPA: 5.0/5.0*

2024 – 2025

- **Coursework:** Machine Learning, Optimization Methods, Analytics Edge, Analytics Lab, Analytics to Action
- **Machine Learning Project:** Built multi-modal classification models to predict Airbnb review score category; utilized Optimal Policy Trees to recommend price for Airbnb hosts, improving rating score by 20.94% (Python, Julia)
- **Optimization Project:** Developed prescriptive job staffing optimization problem to assign qualified candidates to specific roles; implemented fairness considerations to ensure equitable demographic representation (Python, Julia)
- **Activities:** Treasurer for Master of Business Analytics Class Leadership Council (Elected); AI/ML Club

#### UNIVERSITY OF TEXAS AT AUSTIN

Austin, TX

*Bachelor of Business Administration in Business Analytics, High Honors, Overall GPA: 3.95/4.00*

2020 – 2024

*Bachelor of Science and Arts in Mathematics, High Honors, Certificate in Statistical Modeling*

- **Coursework:** Data Science, Ethics of AI, Predictive Analytics & Data Mining, Linear Algebra, Mathematical Statistics
- **Activities:** President of Machine Learning Data Science Club (Elected); Canfield Business Honors Peer Mentor
- **Awards:** 1<sup>st</sup> place of 22 teams at UT Austin Hackathon – Created mental health application user-interface with team of 3; National Merit Scholarship (Awarded to < 1% Students Nationally); Texas Exes Scholarship (Awarded to < 5% Students)

### RESEARCH INTERESTS

- Shared Decision-Making, Value-Based Healthcare, Healthcare Analytics, Healthcare Disparity

### EXPERIENCE

#### MIT SLOAN | BANGKOK BANK

Bangkok, Thailand

*Data Scientist Intern, MIT Capstone Project*

Spring 2025 – Fall 2025

- Leverage corporate transaction and financial statement data to find client opportunities for the bank, increasing revenue
- Map end-to-end supply chain for food production firms, tracking expenditures to offer personalized banking services

#### MIT SLOAN OPERATIONS RESEARCH CENTER

Cambridge, MA

*Graduate Research Assistant for Professor Dimitris Bertsimas*

Fall 2024 – Spring 2025

- Improved hospital readmission prediction by 11% with multi-modal classifiers, enabling proactive patient care (Python)
- Present bi-weekly updates to psychiatrists, discussing optimal methods to segment MRI images and extract embeddings
- Detect signs of brain anomalies using MeshNet deep learning architecture, augmenting doctors' treatment decisions

#### MIT SLOAN | SANOFI PHARMACEUTICALS

Cambridge, MA

*Analytics Lab Team Member (1<sup>st</sup> Place of 21 MIT Teams)*

Fall 2024

- Analyzed 8M rows of drug, disease, and protein interactions to cluster patients who respond positively to drugs (Python)
- Integrated Prime Knowledge Graph and MIMIC-IV data, creating super-graph of drug, disease, and patient interactions
- Provided weekly results to senior computational engineers and biologists to improve drug-patient matching algorithms

#### UT AUSTIN | MICROSOFT

Austin, TX

*Business Analytics Capstone Team Member*

Spring 2024

- Implemented workflow explaining Microsoft financial data trends, saving 30 manual hours monthly (Python, OpenAI)
- Recommended ChatGPT commentary to evaluate month-end performance to Microsoft's director of financial services

#### KPMG ADVISORY

Dallas, TX

*Data Modeling & Valuation Intern*

Summer 2023

- Proposed plan for banking clients to identify model redundancy using Generative AI, improving resource utilization
- Presented insights to 80 KPMG internal advisory stakeholders, highlighting ChatGPT's role in detecting text overlap
- Led team of 3 interns to utilize design thinking process to help banks improve model development efficiency

### ADDITIONAL INFORMATION

- Interests: Pickleball enthusiast, strategy board game player, passionate mystery novel reader, avid runner