

NIVEDITHAA VENKATANARAYANASAMI, PE

New York, NY | H1B Visa (I-140 Approved) | nv2357@stern.nyu.edu | www.linkedin.com/in/nivedithaa

SUMMARY

Data-driven engineer and NYU Stern MBA candidate (Business Analytics & Tech Management) with 7+ years of experience translating complex data into executive-ready dashboards, strategic narratives, and AI-powered insights that inform business decisions. Skilled in SQL, Python, Power BI, AI Studio and financial modelling with a strong foundation in analytics, visualization, and agile data delivery.

EDUCATION

NEW YORK UNIVERSITY, Leonard N. Stern School of Business (CGPA: 3.7/ 4) <i>Master of Business Administration, The Langone Program</i> <i>Specializations in Business Analytics, Strategy and Tech Product Management</i>	New York, NY May 2026
ARIZONA STATE UNIVERSITY, Ira A. Fulton School of Engineering (CGPA: 3.5 / 4) <i>Master's in Civil, Environmental and Sustainable Engineering</i>	Tempe, AZ May 2017
ANNA UNIVERSITY, SSN Institution (CGPA: 8.46 / 10) <i>Bachelor of Engineering in Civil Engineering</i>	Chennai, India May 2015

WORK EXPERIENCE

CAROLLO ENGINEERS (Environmental Engineering Firm) <i>Lead Structural Engineer</i>	New York, NY 2023 - Present
• Directed a cross-divisional team of 10+ engineers to conceptualize end-to-end design for a \$450M wastewater plant; saved \$25M in construction cost through synthesizing key recommendations	
• Managed competing project priorities across a \$200M+ portfolio by streamlining budget and communication workflows; enabling 95% on-time milestone delivery and 15% overall profit	
<i>Engineer / Staff Professional</i>	2018 - 2023
• Delivered structural design and construction support for 20+ water/wastewater facilities nationwide, ensuring 100% compliance	
DATA AND AI EXPERIENCE (NYU STERN)	
UNDERSTANDAI (Replit, Lovable, Claude AI and Notion)	Sep 2025
• Built Understand.AI , a “trustworthy meeting memory” prototype for engineers, integrating transparency and explainability features	
• Conducted 10+ user interviews , designed conversational UI flows, and validated MVP with 80% adoption intent and 1.25x projected ROI	
• Defined KPIs (DAU/MAU, time saved) and presented product-market fit insights to faculty and product mentors	
AI MODELING (AI Studio, Hugging Face, Open AI API, Python & TensorFlow)	Sep 2025
• Built and fine-tuned neural and generative models using AI Studio; developed CNN and Feedforward Neural Networks for image and text classification, and fine-tuned BERT-based sentiment models achieving 57%+ accuracy; implemented zero-shot, few-shot, and Chain-of-Thought prompting via OpenAI API to evaluate performance gains and model interpretability	
MORNINGSTAR (Global Investment Research & Financial Service Firm) <i>Strategy Consultant (GTM & Product Strategy)</i>	New York, NY Jan 2025 – May 2025
• Conducted market and competitive analysis across 15+ ESG index providers to inform Morningstar’s €14T EU entry strategy	
• Built financial model estimating €500M+ ETF inflows and proposed 4-phase GTM roadmap for Morningstar’s climate-aligned equity index	
TAO CLIMATE (XPRIZE-Recognized Carbon Removal Venture / Climate Tech Startup) <i>Business Development Consultant</i>	Remote Aug 2024 – Aug 2025
• Directed end-to-end development of early-stage pricing features for carbon removal products; partnered with stakeholders to scope functionality, define MVP criteria, and forecast \$250M–\$500M in long-term revenue opportunity	
DATA VISUALIZATION – HR INSIGHTS (Tableau, Excel)	Jan 2025
• Developed an interactive dashboard analyzing 5K+ employee records; uncovered attrition and salary trends that improved retention forecasting accuracy by 25% and informed workforce planning	
DIGITAL MARKETING ANALYTICS – MOBILE APP RANK (R Studio, Excel, Tableau)	Jan 2025
• Built a regression model on 10K+ app-store listings; identified pricing and rating levers that boosted app visibility and engagement potential by 30%	

CORE SKILLS

- Data & Analytics:** SQL, Python, Power BI, Tableau, Excel, R Studio, AI Studio, TensorFlow, dbt (basic)
- Data Lifecycle:** ETL Pipelines · Modeling · Visualization · Reporting · Governance
- Tools & Platforms:** Azure DevOps, Snowflake, Databricks, Hugging Face, OpenAI API