

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> <ul style="list-style-type: none">Dean's List recipient (Fall and Spring 2024) VP of Careers at Strategy and Management Club Member of Management Consulting Association, Graduate Finance Association, Fintech, Stern Technology Association	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> <ul style="list-style-type: none">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 recommendationsManaged competing project priorities across a \$200M+ portfolio by streamlining budget and communication workflows; enabling 95% on-time milestone delivery and 15% overall profit	New York, NY 2023 - Present
<i>Engineer / Staff Professional</i> <ul style="list-style-type: none">Delivered structural design and construction support for 20+ water/wastewater facilities nationwide, ensuring 100% compliance	2018 - 2023

DATA AND AI EXPERIENCE (NYU STERN)

UNDERSTANDAI (Replit, Lovable, Claude AI and Notion) <ul style="list-style-type: none">Built Understand.AI, a "trustworthy meeting memory" prototype for engineers, integrating transparency and explainability featuresConducted 10+ user interviews, designed conversational UI flows, and validated MVP with 80% adoption intent and 1.25× projected ROIDefined KPIs (DAU/MAU, time saved) and presented product-market fit insights to faculty and product mentors	Sep 2025
AI MODELING (AI Studio, Hugging Face, Open AI API, Python & TensorFlow) <ul style="list-style-type: none">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	Sep 2025

MORNINGSTAR (Global Investment Research & Financial Service Firm) <i>Strategy Consultant (GTM & Product Strategy)</i> <ul style="list-style-type: none">Conducted market and competitive analysis across 15+ ESG index providers to inform Morningstar's €14T EU entry strategyBuilt financial model estimating €500M+ ETF inflows and proposed 4-phase GTM roadmap for Morningstar's climate-aligned equity index	New York, NY Jan 2025 – May 2025
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TAO CLIMATE (XPRIZE-Recognized Carbon Removal Venture / Climate Tech Startup) <i>Business Development Consultant</i> <ul style="list-style-type: none">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	Remote Aug 2024 – Aug 2025
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DATA VISUALIZATION – HR INSIGHTS (Tableau, Excel) <ul style="list-style-type: none">Developed an interactive dashboard analyzing 5K+ employee records; uncovered attrition and salary trends that improved retention forecasting accuracy by 25% and informed workforce planning	Jan 2025
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DIGITAL MARKETING ANALYTICS – MOBILE APP RANK (R Studio, Excel, Tableau) <ul style="list-style-type: none">Built a regression model on 10K+ app-store listings; identified pricing and rating levers that boosted app visibility and engagement potential by 30%	Jan 2025
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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