

Meghana Lakshminarayana Swamy

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Master's student in Business Analytics with strong analytical and problem-solving skills. Experienced in working with data to support decision-making, reporting, and business insights. Motivated to apply technical and analytical skills in real-world business environments.

EDUCATION

University of New Haven | West Haven, CT, USA
Master of Science in Business Analytics

Aug 2024 – May 2026
GPA: 3.81/4

B M S Institute of Technology & Management | Bengaluru, India
Bachelor of Engineering in Information Science

Aug 2019 – May 2023
GPA: 3.3/4

CERTIFICATION

- **Entry Certificate in Business Analysis (ECBA) – International Institute of Business Analysis (IIBA) | 2026**

TECHNICAL SKILLS

- **Languages/Tools:** R, Python, GitHub, Advanced Excel, Visual Studio, MS Office, AutoML (H2O.ai)
- **Data & Database Management:** T-SQL, Oracle SQL, SSMS, Oracle APEX, Integration Services, ETL, OLAP, SSRS
- **Analytics & Visualization:** Power BI, Tableau, R, ETL Workflows, Data Modeling, Data Warehousing
- **Collaboration tools:** Microsoft Office Suite (Word, PowerPoint, Outlook), SharePoint, JIRA, GitHub
- **Core Competencies:** Data Management, Report Development, Troubleshooting, Documentation, User Support, Quality Assurance
- **Coursework:** Data Engineering, Data Warehousing, Data Visualization, Python, AutoML (H2O.ai), Hypothesis Testing, ANOVA, ChiSquare, Linear & Multiple Regression, Decision Trees

PROFESSIONAL EXPERIENCE

DAE, New Haven | Data Administrator | INTERN

Jan 2026 – May 2026

- Administer PowerSchool SIS to maintain accurate student records across enrollment, attendance, schedules, grades, and demographics.
- Build internal dashboards and reports using Oracle APEX and SQL queries to support program operations, compliance reporting, and data-driven decision-making.
- Wrote optimized SQL queries and automated report workflows to improve data retrieval efficiency and ensure consistent dashboard updates for stakeholders.
- Employed: PowerSchool SIS, Oracle APEX, SQL, Excel, Power BI/Tableau, Data Cleaning, Data Integration, Reporting, Dashboard Development, Documentation.

Teaching Assistant | University of New Haven

Aug 2025 – May 2026

- Assisting professors in the Business Analytics program with teaching, academic support, and curriculum-related tasks.
- Supporting classroom instruction by guiding students in R programming as part of the Business Analytics curriculum.
- Employed: R, Excel, Power BI, Statistical Analysis

PROJECT EXPERIENCE

Port Authority of NY & NJ Traffic Analytics & Forecasting | University of New Haven - Capstone Project

Jan 2026 – April 2026

- Analyzed 29,000+ daily bridge and tunnel traffic records across eight facilities (2015–2025) using Python and H2O.ai AutoML to uncover seasonal patterns, violation trends, and demand shifts.
- Built three predictive models, replicating AutoML results in scikit-learn for production deployment.
- Deployed models via FastAPI, Docker, and Kubernetes (Minikube) as REST endpoints for real-time traffic volume predictions.
- Employed: Python, H2O.ai AutoML, scikit-learn, AutoTS, FastAPI, Docker, Kubernetes, Jupyter Notebook, Excel

Port Authority Bus Terminal Passenger Prediction | University of New Haven

Feb 2025 – May 2025

- Analyzed passenger flow and mechanical reliability trends using SQL, R, and Power BI.
- Integrated MTA, weather, and traffic datasets to forecast passenger demand for 2025–2030.
- Built an interactive Power BI dashboard visualizing forecasts, carrier performance, and failure risks.
- Employed: Power BI, SQL, R, Automation, Time-Series Forecasting

LEADERSHIP & ACTIVITIES

Cross-Disciplinary Case Competition - 2nd Place Winner | University of New Haven

Oct 2025 – Nov 2025

- Competed in the Walmart Workforce Optimization, Karya Ethical Data for AI, and Ørsted People Positive cases, presenting data-driven solutions balancing efficiency, ethics, and community impact. Delivered strategic insights and dashboards to support recommendations.

Hackathon (Hack Newhaven 2026) | University of New Haven

March 2026

- Built an AI-Powered Agentic Route Optimization system for eco-friendly pilot navigation with real-time geopolitical risk analysis and voice-enabled interfaces. Won the best use of Solana for carbon credit minting.