GUHA MAHESH

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EDUCATION

B.S. in Data Science & Business Analytics (DSBA), FinTech focus

Northeastern University • Boston, MA • current • 4.0

• Dialogue of Civilizations: Data & Software in International Government and Politics • Belgium • May 2025

• Relevant Coursework: Discrete Structures, Foundations of Data Science, Financial Accounting, Business Statistics, Financial Management

SUMMARY

My current goal is to gain valuable experience in data analytics and its application within the field of Business Administration in addition to understanding how my skillset can help streamline processes within the infrastructure of a company.

EXPERIENCE

Tutor

Knack   *Jan 2025- Current, Boston, Massachusetts*

- Tutor on Knack for Data Science
- 5 Star Rating; helped 20+ students boost grades and Python skills
- Tutored core topics: pandas, NumPy, stats, and EDA

Intern

GREEN JOULES   *Jun 2023 - September 2023, Remote*

- Created a shortlist of eleven crops that are commonly used for producing biofuels.
- Researched data around production volumes, commodity prices, volume required for food security to get insights for doing feasibility analysis of biofuel production.
- Researched and presented data to get inputs for utilizing waste products of crops as feedstock for biofuels.
- Produced actionable insights on farm waste and subsidies that shaped initial strategy discussions for a biorefinery proposal in Texas.

SKILLS

Frontend: React, Flask, Streamlit, Node.js

Data Science: pandas, NumPy, matplotlib, scikit-learn, Express

Languages: Python, TypeScript, JavaScript, HTML, CSS

Fluent in: Tamil and German

PROJECTS

Policy Playground

Python, Streamlit, MySQL, Flask, scikit-learn, NumPy, pandas • github.com/guha-mahesh/PolicyPlayground • May 2025 - June 2025

- Developed a financial forecasting pipeline that predicts S&P 500 and five major currency exchange rates using normalized fiscal and monetary policy instruments and lagged historical data.
- Created the MVP as an interactive site for those interested in legislation to ideate and swap policy ideas.
- Attended guest speaker events at European institutions across Belgium to learn about policymakers and align the platform with real-world policy needs.

ClubStop

TypeScript, React, MySQL, Express, Node.js. • github.com/guha-mahesh/ClubStop • February 2025 - August 2025

- Developed a full-stack application for University Students to find, rate and promote clubs and organizations.
- Utilized Docker to containerize a full-stack application with MySQL, React (frontend), and Node.js (TypeScript) backend services.
- Designed and implemented an API blueprint with 20 RESTful routes to support authentication, club management, and user interactions.

Monkroyer (In Progress)

React, MySQL, TypeScript, Ollama, Express, AWS • github.com/guha-mahesh/Monkroyer • June 2025 - August 2025

- Developing a web app that gamifies real-world predictions by rewarding users through an interactive Monkey Avatar.
- Utilized the Ollama LLM to evaluate plausibilities for the user-submitted "Bingo" predictions.
- Containerized with an Express/Node.js (backend), React (frontend), and MySQL.
- Leveraged AWS S3 to store user-submitted image evidence validating completed predictions.