

NOUMIK THADANI

noumik@gatech.edu • (469) 579-6638 • LinkedIn.com/in/Noumik

TECHNICAL SKILLS

Data Science Projects @ noumik.net

Languages

- Python (pandas, NumPy, scikit-learn, matplotlib, seaborn)
- R (dplyr, ggplot2, tidyr, caret, randomForest, tidymodels)
- SQL (MySQL, Postgres)
- VBA • HTML • CSS • JavaScript • C# • PHP

Tools & Methods

- Git • Azure • SAS Visual Analytics • QGIS • Tableau
- Time Series Forecasting • Regression Analysis • Classification
- Clustering • Natural Language Processing • Deep Learning
- Feature Engineering • Optimization

EDUCATION

Georgia Institute of Technology	Master of Science in Analytics	2025(e)
The University of Texas at Austin	Bachelor of Business Administration, Management Information Systems Computer Science Minor McCombs BBA 2019 Study Abroad Program in Sydney, Australia	2020

EXPERIENCE

Kalypso: A Rockwell Automation Business - *Senior Analyst (Management Consulting); New York, NY* August 2023 - Present
- *Analyst (Management Consulting); Austin, TX* September 2021 - July 2023

- Developed and implemented an adaptive control system in Python for a tire manufacturer that reduced material waste by 15%
- Proposed and created a program in Python to optimize resource management and capital efficiency, reducing client costs by ~25%
- Implemented, enhanced, led training sessions on Oracle's WMS software, reducing scrap for a multinational food company ~30%
- Designed and developed training materials for a Windchill PLM solution in collaboration with medical device industry client team
- Analyzed, designed, and implemented strategies to optimize business processes for a multinational apparel and footwear company

Integra FEC - *Forensic Data Analyst; Austin, TX* January 2021 - July 2021

- Produced detailed analyses in R that were used as significant evidence in the SEC's \$1.5 million lawsuit against a credit ratings firm
- Analyzed complex data sources using Python, R, SQL, and APIs, to identify financial fraud in federal consumer protection cases
- Interfaced with clients (SEC, DOJ, independent law firms) to gather requirements & provide evidence-based solutions on projects

Austin FC - *Data Analytics Project Lead; Austin, TX* July 2020 - July 2021

- Built a data pipeline by creating a SQL database & frontend web app in HTML/CSS/JS to gather player & match stats in real time
- Led a team to analyze and present data and recommendations to club officials to assist with decisions on player recruitment

Fidelity National Information Services - *Software Development Intern; Austin, TX* August 2020 - December 2020

- Conducted QA testing on AI-driven conversational UI software, analyzing and validating test run results, creating reports and bugs
- Generated a question answering system using TF-IDF and similarity matrices in Python to find relevant answers in large documents

Democratic Legislative Campaign Committee - *Data Analyst Intern; Washington, D.C.* May 2019 - August 2019

- Acquired, cleansed, processed, & analyzed data from 10,000 state races, building a robust infrastructure for data-driven campaigns
- Developed Python & QGIS forecasting models (98% accuracy) to guide strategic funding for majority wins in VA & NJ legislatures

OTHER PROJECTS

Kalypso Life Sciences Industry Trends - *Lead Analyst* 2021 - Present

- Led an internal team to research, analyze, & present data on life sciences industry trends to focus firm's targets for the next year
- Scraped and tracked data from complex web sources using BeautifulSoup in Python, and CTEs and window functions in SQL

ISYE 6740 Machine Learning Project 2024

- Developed KNN, Neural Network, SVM models to predict employee attrition & recommend improvements to company processes

Independent Programming & Media Project (*personal project*) 2018

- Built a home media content-server solution using a Raspberry Pi, Linux OS, digital storage, and open-source software
- Wrote a Python program to analyze videos to extract closed captions so that hardcoded subtitles can be converted to editable text

LEADERSHIP EXPERIENCE AND ACTIVITIES

The University of Texas at Austin - *Undergraduate Teaching Assistant; Austin, TX* 2020

- Evaluated and advised class of 50 students while assisting professor in upper division MIS 373—Human Dimensions of Cybersecurity

UT Austin Apprentice Club - *Secretary* 2016 - 2018

- Collaborated with RideAustin to create and partly implement a business plan to grow their share of the local ride sharing market