NOUMIK THADANI

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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 • TypeScript • C# • PHP

Tools, Methods, & Courses

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

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 — 2020
Computer Science Minor
McCombs BBA 2019 Study Abroad Program in Sydney, Australia

EXPERIENCE

Kalypso: A Rockwell Automation Business - *Data Science Consultant;* New York, NY — January 2025 - Present
- *Senior Analyst (Management Consulting);* New York, NY — August 2023 - December 2024
- *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 ~20%
- Led a team to research, analyze, and present life sciences industry trends by scraping and tracking data from complex web sources using BeautifulSoup in Python and SQL (CTEs, window functions) to inform firm's targets for the next year
- Implemented, enhanced, led training sessions on Oracle's WMS software, reducing scrap for a multinational food company ~30%
- Designed, developed, and led trainings for a Windchill PLM solution in collaboration with a medical device industry client team

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

The University of Texas at Austin - *Teaching Assistant;* Austin, TX — January 2020 - May 2020
- Evaluated and advised class of 50 students while assisting professor in upper division MIS 373–Human Dimensions of Cybersecurity

Political Party 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

ACADEMIC PROJECTS

Property Tax Fighter *(Data Visualization & Machine Learning)* — 2024
- Built a Flask app using ML to help homeowners protest property taxes with comparables, estimates, and interactive visualizations

Employee Attrition Prediction *(Machine Learning Models)* — 2024
- Developed KNN, Neural Network, SVM models to predict employee attrition & recommend improvements to company processes

Bike-Share Optimization *(Predictive Modeling & Logistics)* — 2024
- Developed models to optimize bike distribution, docking station placement, and rebalancing, improving bike-sharing efficiency through demand prediction and redistribution strategies

WORK ELIGIBILITY

US Citizen