Mehika Patel | New Haven, CT 06511 | (864) 371-2030 | mehika.patel@yale.edu | **mehiks11.github.io**

EDUCATION

Yale University, New Haven, CT   December 2022
Sociology and Statistics and Data Science, GPA: 3.8
Thesis: Natural language processing of breast cancer patient forums, advocacy, and matched data analysis on impact of cultural framing on funding success
Relevant Coursework: Machine Learning, Probability Theory, Data Engineering
Awards: Cohen Summer Fellowship awarded to fund data science research and data system development at nonprofit

EXPERIENCE

Consumer Credit Counseling Services of Savannah, Savannah, GA
Data Science & Data Systems Architect Fellow   Summer 2021 - Current
- Replaced manual data reporting and analysis with fully automated system with features such as survey management, automatic data analysis, and up-to-date report generation on client feedback and outcomes
- Identified inefficiencies in company's manual data collection and reporting process
- Developed web-based user-interface and dashboard with automated data flow using google cloud technology

Data Analyst Intern   Summer 2020
- Leveraged survey results and administrative data to conduct study on efficiency of services for 500+ clients over 10 years
- Aggregated, filtered, and cleaned survey and administrative data and provided descriptive statistical analytics
- Presented data report containing analysis on efficiency of company's debt-management services that clearly outlined key insights and solutions to drive improvements

Data 2 the People, *Data Science Fellow*, New Haven, CT   Summer 2021
- Successfully delivered data-collection and analysis solution in 8 weeks that resulted in informed decisions based in sound statistical models for local violence prevention program
- Designed and created web-based interactive data visualization to present urgent need for funding using D3.js
- Researched industry strategies and outcomes and analyzed national and state level data trends to set up comparison metrics and identify key performance indicators to inform data collection processes

Metis, *Data Scientist*, NYC, NY   Spring 2021
Accredited 14-week Data Science and Machine Learning immersive focused on data wrangling, statistical modeling, supervised & unsupervised machine learning, deep learning, NLP, and data visualization.
Most Recent Projects from Metis (*see more on my website/github*):
- Plant Classification with Neural Network: Leveraging deep learning to create an app that can classify a plant by an image of its leaf.
- Universal Healthcare NLP: Topic Modeling & Sentiment Analysis done on tweets discussing universal healthcare
- NYC COVID Transit Guide: Interactive visual travel guide using MTA traffic data to suggest optimal travel times and routes for safe travel using public transit

LEADERSHIP

Yale VITA, *Co-Director of Operations & Shift Coordinator*, New Haven, CT   Fall 2019 - Current
- Create and maintain new virtual platform for tax preparation volunteering and operations management of VITA chapter
- Manage shifts that total ~$27,000 in refunds for clients per shift

Yale Queer + Asian *Co-President*, New Haven, CT   Spring 2019 - Current
- Oversee and organize six major social events, speaker events, discussion events, along with weekly dinners
- Set meeting agenda and lead meetings with other board members to create a safe space for Yale's Queer and Asian community

SKILLS AND INTERESTS

Computer & Data Science: Python, Pandas, Numpy, SQL, JS, Tableau, Bokeh, PowerBI, Machine Learning, Deep Learning, NLP, Data Engineering, R, Bayesian Statistics, Sequence Modeling, APIs, PyTorch, TensorFlow, Classification, Regression, PySpark, MongoDB, Python Django, Keras, GCP Cloud Functions & Storage, Firebase, Node.js, React, Web Scraping, Collaboration, Teamwork
Interests: Music (Electric Guitar & Dance), Martial Arts (Shotokan Karate)