Sishir Yerra Doddi

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EDUCATION

STEVENS INSTITUTE OF TECHNOLOGY   *Expected Graduation* **May 2022**
Master of Science, Financial Analytics | GPA: 3.48   Hoboken, NJ
Courses: Pricing and Hedging, Data Visualization, Financial Risk Management, Applied Statistics with Finance

RUTGERS UNIVERSITY   **December 2018**
Bachelor of Science, Finance   New Brunswick, NJ

SKILLS

Programming: R, Python, PostgreSQL
Tools & Technologies: Excel, Tableau, Bloomberg Terminal
BI & Analytics: Market Research, Data Analysis, Data Visualization, Quantitative Analysis

PROFESSIONAL EXPERIENCE

STEVENS INSTITUTE OF TECHNOLOGY, Hoboken, NJ   **June 2021 – July 2021**
Sustainability Summer Research Analyst
- Led team of 2 analytics and 4 finance students; evaluated S&P 500 companies sustainability report to measure Environmental, Social, and Governance performance based on redefined ESG metrics
- Utilized CEO compensation data to verify its relationship to ESG metrics with the help of a multiple linear regression model on R; removed outliers and transformed variables to reduce variability by .36
- Performed explanatory data analysis and built a regression model to verify relationship between firms' sustainable investing and operational activities resulting in a correlation of .76

BLOOMBERG LIMITED PARTNERS, Skill Man, NJ   **October 2019 – February 2020**
Data Management Associate, Global Data Management
- Extracted data from Bloomberg communications to annotate securities on propriety quotes and trades
- Analyzed and classified securities traded by buy-side and sell-side firms to elaborate trade descriptions for enhancing machine learning knowledge to support management reports
- Consolidated price quotes of equities daily by utilizing Excel and Bloomberg Terminal to pool liquidity information and refine communications and analytics

ACADEMIC PROJECTS

STEVENS INSTITUTE OF TECHNOLOGY
Scenario generation and data augmentation in quantitative finance   **September 2021 – December 2021**
- Collected historical data of 11 sectors and S&P 500 from WRDS database
- Compared and evaluated scenarios generated from additive gaussian, generative adversarial networks, and long short-term memory network (LSTM); the LSTM model provided the least root mean squared error
- Stress tested the portfolio to review the percentage return of each asset using the capital asset pricing model and expected returns from LSTM and Augmented data model.

Exploratory and Descriptive Analysis of Hotel and Resorts using Tableau   **March 2021 – May 2021**
- Performed data-wrangling and Exploratory data analysis using Tableau Prep-Builder and Tableau
- Created and Improved scorecard and dashboards using projection maps, tree maps, heat maps, searchable table, violin plots, bar plots, scatter plots and Gantt chart using show me functionality
- Integrated Microsoft PowerPoint slides with Tableau dashboards to generate workbook

Evaluated the impact of Twitter tweets on Ethereum price   **February 2021 – May 2021**
- Analyzed change in Ethereum price based on the total number of tweets, likes, retweets, comments, and quotes by using multiple linear regression model and T-test to identify linearity and variability in the data
- Applied transformation and AIC to remove independent variables to increase model significance, reduce variability and avoid multicollinearity; Concluded model to be significant with low predictive power