

JAHNAVI KALPATHY | Data Analyst

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SUMMARY

Data Analyst with a strong background in quantitative analysis and modeling, complemented by hands-on experience in systems engineering. Skilled in dbt, Hex, Python, SQL, and data visualization. Proven ability to build scalable analytics solutions and synthesize strategic insights in fast-paced, cross-functional environments. Passionate about leveraging data and communication to inform complex decision-making.

SKILL

Data Analysis & Tools: Hex | dbt | BigQuery | SQL | Excel | Matplotlib | Tableau | Seaborn | Airflow
Programming - Python | Pandas | Numpy | Scikit-learn | nltk | R | Tensorflow | Web scraping
Machine Learning - Regression | Classification | Clustering | NLP | Neural Networks | TimeSeries | A/B Testing
Software - JupyterLab | GitHub | Google Cloud | AWS | PostgreSQL | Microsoft Office | Google Suite

EXPERIENCE

Data Analyst, Harris for President Campaign Headquarters, Wilmington, DE 08/2024 - 11/2024
Developed analytics tools, reports, and data models to support strategic decision-making and resource allocation by leadership for field organizing and voter outreach in 10+ Battleground States.

- Built comprehensive data pipelines via dbt and Hex to monitor real-time metrics and deliver key insights.
- Built advanced predictive planning tools to optimize goal setting and resource allocation.
- Synthesized key insights from program evaluations, directly informing leadership decisions.
- Authored data standards documentation, and advised teams on data accessibility & reporting accuracy.

Product Analyst, Eco-Catalyst, Remote 02/2024 - 08/2024
Researched analytical solutions for a circular economy (reuse, repair, and recycle) in high waste markets.

- Developed models to calculate CO₂ emissions and identify strategies for resource and cost efficiency.

Data Science Fellow, General Assembly, Remote 10/2022 - 02/2023
Successfully completed 480 hours of expert-led, hands-on, instruction in data analytics, data science, and ML.

- Modeled energy efficiency scores for buildings in NYC based on data from the Energy Star organization, using Multivariate Linear Regression and regression parameter pipelines.
- Created a community health prediction model based on nutrition and lifestyle data, using multivariate linear regressions and classification models.
- Developed NLP classification models for Reddit forums, achieving 88% accuracy via logistic regression.

Systems Engineer, VW Group of America, Belmont, CA 08/2018 - 08/2022
Served on a team of systems engineers responsible for configuring units, troubleshooting issues with diagnostic tools, and developing and executing test catalogs for Audi infotainment systems

- Developed validation protocols for embedded SIM (eSIM) systems, increasing operational efficiency.
- Led efforts to configure and debug telematics systems, improving issue identification and resolution.
- Collaborated with cross-functional teams to enhance Audi infotainment system reliability and NHTSA compliance with industry standards.

Tesla Inc., Manufacturing Test Intern, Palo Alto, CA 06/2015 - 08/2015
Fabricated new test equipment for installation at Contract Manufacturer (CM) for the Autopilot camera modules

- Analyzed and optimized module testing processes, reducing operational risk and increasing yield.

EDUCATION

General Assembly | Certificate, Data Science 10/2022 - 02/2023
Massachusetts Institute of Technology | BS Mechanical Engineering 08/2012 - 05/2017
San Jose State University | Mechanical Engineering Courses 08/2014 - 05/2015