**Vedan Desai**

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**EDUCATION**

**University of California, San Diego - Bachelor of Science in Data Science**La Jolla, CA

*Halıcıoğlu Data Science Institute* March 2023

Honors: Cum Laude, Provost Honors, Phi Beta Kappa Honor Society GPA: 3.86

**SKILLS**

Languages/OS: Python, Java, Golang, Linux/Unix, PostgreSQL

Packages: Numpy, Pandas, Sci-Kit Learn, NLTK, Seaborn, Matplotlib, Selenium, JUnit

Software: Spark, Dask, AWS (EC2, S3, Lambda), Tableau, MS Suite, Power BI, Git/GitHub

**WORK EXPERIENCE**

**Teradata** San Diego, CA

*Software Engineering Intern* July 2022 – September 2022

* Added continuous monitoring and enhanced data collection features to a telemetry collection agent in an efficient, testable, and automated manner with Java and Junit, Unix shell, and Bash resulting in higher product coverage and issue reporting
* Pulled and analyzed data from a data warehouse using Teradata SQL and Python to update, retrain, and hyper parameterize a classification model, improving model accuracy by ~8%
* Designed and implemented vital and efficient command line interfaces, utilities, and applications using Golang to enable telemetry collection service updates and custom data access commands allowing for superior cross-department collaboration

**Teradata** San Diego, CA

*Data Engineering Intern* June 2021 – September 2021

* Created and updated dashboards in Power BI to demonstrate key telemetry insights measuring service consumption using a variety of statistical visualizations, based on time-series and tabular data
* Assisted in engineering ETL pipelines to migrate large volumes of data from on-prem databases to AWS S3 buckets as a part of efforts to eliminate need for on-prem services
* Performed data cleaning and developed a statistically sound classification model in Python based on 13 million+ observations to improve customer experience and sped up back-end queries by 25%

**PROJECTS**

**Datahacks** La Jolla, CA

*Tech & Logistics Lead* September 2021 – March 2022

* Wrote Python code using Beautiful Soup and Pandas to web scrape and process observations into clean csv data used for a hackathon
* Built and deployed baseline regression, classification, and clustering models using Spark, Dask, and containerization to provide a minimum cutoff point for hackathon submissions
* Evaluated and improved submitted models using quantifiable metrics (precision, recall, various bias measures) to assess model performance and evaluate final standings

**CAMPUS INVOLVEMENT**

**Student Government Association at Penn State Abington** Abington, PA

*President* August 2019 – March 2020

* Represented and advocated for student interests and needs to administration including the chancellor, dean and several department heads
* Drafted a rigorous and comprehensive Student Senate constitution comprised of clauses, bylaws and mandates to better represent the purpose of the student government association