

Janani Vijaykumar

Hardworking and self-driven fourth year student, passionate about Data Science and Computer Science, and hoping to work in the fields of Machine Learning and Artificial Intelligence to combine both of my interests and majors.

Seeking a full-time job starting August 2020.

EXPERIENCE

ClearBrain Inc., San Francisco, CA - Software Engineering Intern

May 2019 - August 2019

- Implemented Firebase functions to query BigQuery tables and send data to frontend for two key real-time metric graphs on the product site
- Optimized machine learning pipelines to improve speed by ~40% through methods such as sampling and principal component analysis
- Designed and implemented frontend navigation tools on product site

Armorblox Inc., Sunnyvale, CA — Machine Learning Intern

May 2018 - August 2018

- Validated bleeding edge Natural Language Understanding research on new data sets
- Built topic modeling, content classification using nltk, spacy, rake, tensorflow, numpy, pandas, and sklearn
- Worked on adding, cleaning, integrating new data sets

Division of Data Science, Berkeley, CA - Peer Advisor

August 2019 - Present

- Work on implementing projects to improve the resources provided by the Division of Data Science to further help guide students
- Hold weekly drop-in peer advising hours to answer questions and offer advice for students pursuing data science

CS 61B Data Structures Course, Berkeley, CA — Academic Intern

August 2017 - May 2018

- Offered clarification and guidance to students on homework, projects, and lab assignments, during weekly office hours and labs
- Solidified data structures knowledge

EDUCATION

University of California, Berkeley — B.A. Computer Science and B.A. Data Science

August 2016 - May 2020

GPA: 3.6

Relevant Coursework: Data Structures (Java), Discrete Structures, Computer Architecture (C), Efficient Algorithms and Intractable Problems, Foundations of Data Science (Python), Principles and Techniques of Data Science (Python), Computer Security (C/GoLang), Introduction to Artificial Intelligence (Python), Software Engineering (Ruby) - *In progress*, Probability for Data Science (Python) - *In progress*, Concepts in Computing with Data (R) - *In progress*

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EXTRACURRICULAR ACTIVITIES

Data Science Society

- Senior Advisor
- Academic Development

Society of Women Engineers

- Shadow an Engineer Program
- Overnight Host Program

Natya at Berkeley

- Director of Laasya 2020 (Premier national Indian classical dance competition)
- Dancer

PROJECTS

Encrypted File Sharing System - Feb to Mar 2019

Designed and implemented a dropbox-like file sharing system, with functionality such as sharing files, appending to files, loading and storing files, and revoking files. The system protected user privacy using encryption and authentication checks.

Taxi Ride Dataset - Nov 2018

Performed feature engineering taxi ride information in NY, by exploring the different factors that had the most influence and could help identify the duration of an unknown ride. Built visuals and used linear regression to train on training data and predict on test data.

Databases - Jan to Feb 2017

Built a working interpreter for a language similar to SQL to display data in the form of tables, after storing data in a database I created using data structures such as Array Lists and Hash Maps.

LANGUAGES and SKILLS

Python, Java, C, GoLang, SQL, Git, Numpy, Pandas, Apache Spark, HTML, CSS, Javascript