MAHIT TANIKELLA

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EDUCATION

University of California, Berkeley **GPA: 4.0/4.0 | 2021-2024**

Regents and Chancellor's Scholar - Merit-based scholarship for the top 2% of undergraduates at UC Berkeley

Bachelor of Science in Electrical Engineering and Computer Science (EECS) | *College of Engineering*

Relevant Coursework: The Structure and Interpretation of Computer Programs (CS 61A), Designing Information Devices and Systems I (EECS 16A), Foundations of Data Science (DATA C8)

In Progress: Data Structures (CS 61B), Designing Information Devices and Systems II (EECS 16B), Discrete Mathematics and Probability Theory (CS 70), Blockchain Fundamentals (INDENG 198)

Foothill College **GPA: 4.0/4.0 | 2019-2021**

Relevant Coursework: Python for Programmers (CS 21A), Object-Oriented Programming Methods Java (CS 1A), Intermediate Software Design in Java (CS 1B), JavaScript for Programmers (CS 22A), Data Abstract and Structures (CIS 22C), Discrete Mathematics (Math 22)

Monta Vista High School **GPA: 3.95/4.0 | 2018-2021**

Java Programming, AP Computer Science A, AP Calculus BC, AP Physics C, AP Statistics, AP Physics 1

SKILLS

Programming Languages: Python, Java, JavaScript, HTML, SQL
Other: TensorFlow, Keras, NumPy, Pandas, Scikit-Learn

WORK EXPERIENCE

Center for Intelligent Imaging (UCSF) | Data Scientist Intern Remote | **Jun 2020 – May 2021**

- Developing models and analyzing data using Keras and Numpy functions in Python to find the highest correlating biomarkers to the diagnosis of cognitive impairment in Parkinson's patients.
- Automated brain age detection from MRI scans in Python to help diagnose Alzheimer's.

PROJECTS

ClubHub **Aug 2020**

- Building an app on XCode using Swift that allows students to search for clubs at their school.
- Implementing natural language processing methods such as stemming to make searching easier.
- Using Google Firebase as a database for all clubs and to store login information and preferences of each student.

SAElections **Jun 2019**

- Built a logistic regression model in Python using Scikit-Learn to predict the outcome of an election.
- Designed count vectors for the regression by finding the most common words on polarized tweets.

Gratisfaction **Jun 2020**

- Created an iOS app using Swift that reduces food waste from restaurants by allowing them to donate leftover food to the poor.
- Used Google Firebase to store login information and track the locations of restaurants, MailCore to automate email response, and CoreLocation to sort restaurants by closest distance.