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*
Tau Beta Pi – Engineering Honor Society
Eta Kappa Nu – Electrical Engineering and Computer Science Honor Society

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), Object-Oriented Programming Methods C++ (CS 2A), Introduction to Linux (CS 30A), Linux Shell Programming (CS 30B), Intermediate Software Design in Java (CS 1B), JavaScript for Programmers (CS 22A), Data Abstract and Structures (CIS 22C), Discrete Mathematics (Math 22)

WORK EXPERIENCE

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

SKILLS

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

PROJECTS

ClubHub **Aug 2020**
- Built an app on XCode using Swift that allows students to search for clubs at their school.
- Implemented natural language processing methods such as stemming to make searching easier.
- Used 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.

Lymphocyte **Jun 2020**
- Developed a convolutional neural network to automate the process of lymphocyte quantification, a biomarker for cancer, in whole slide images of cancer patients
- Neural Network used BatchNormalization, MaxPooling, Activation, Flatten, and Dense and was 50 layers deep
- Network had binary output and used binary crossentropy loss
- Network was trained on Google Cloud and used Keras and Pandas to analyze data and create neural net