

# PRATHYUSHA CHARAGONDLA

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## EDUCATION

### University of California, Berkeley

B.A. Data Science & B.A. Cognitive Science (concentration in AI/ML)

Berkeley, CA

May 2019

- **Coursework:** Data Structures (CS 61B), Introduction to Artificial Intelligence (CS 188), Principles and Techniques of Data Science (CS C100), Applied Data Science with Venture Applications (IEOR 135), Introduction to Data Visualization (INFO 190), Concepts in Computing with Data (Stat 133)

### National University of Singapore (NUS)

Computer Science

Singapore

Spring 2018

- **Coursework:** Databases, Algorithms

### San Diego Supercomputing Center (UC San Diego)

Data Intensive Summer School (Virtual School of Computational Science and Engineering)

- **Coursework:** Introduction to Predictive Analytics, Data Mining Tools & Techniques and Strategies for Big Data

## TECHNICAL SKILLS

**Programming & Frameworks:** Python, Java, SQL, R, HTML, CSS, Javascript, JUnit Framework, Apache Spark

**Other Tools:** D3.js, Node.js, TensorFlow, Tableau, WordPress, Adobe InDesign

## KEY PROJECTS

### Kusuri, Winner of Best DocuSign and Google Integration DocuSign Momentum Hackathon - June 2018

- Web App that detects signs of depression in children that incorporates Google's Natural Language Processing API for sentiment and syntax analysis and other parameters to analyze written text and alert teachers and administration. Implemented using Python, Node.js, Google Machine Learning API, DocuSign eSignature API, Salesforce

### Kindred Spirits, 1st Place AT&T VR/AR Hackathon - May 2017

- Social Meditation Virtual Reality (VR) web app that reads and uses user's EEG data (measures electronic activity in the brain) to help facilitate more effective meditation, through visual and auditory cues. Implemented using Muse, Firebase Realtime Database, A-Frame, Javascript, Maya, HTML and CSS.

### SPOT, Real-time Video Content Recognition & Labeling

- Web App that labels and tags live streams and videos based on content, provides a search engine to filter through tags and labels breakpoints. Implemented using Python, HTML, CSS, Javascript and Machine Learning software including TensorFlow, scikit Classification and Regression.

## EXPERIENCE

### Machine Learning Intern, Trifacta, San Francisco

May 2018 – Present

- Working on Exciting Initiatives!

### Data Analyst, Campus Shared Services (CSS), UC Berkeley

October 2017 – December 2018

- Research and explore data solutions to customer metrics and reporting needs using a variety of data sources and data analysis and reporting tools
- Identify patterns and issues in HR data garnered from ServiceNow and clean and analyze data to develop effective data visualizations using Python and R to pinpoint pain points and improve HR processes and workflow

### Analyst, UCSF Clinical Innovation Center

September 2017 – December 2018

- Analyzing and visualizing data from the Delirium Reduction Initiative using Tableau and D3.js to map impact and points of improvement

### Front-End Engineering Intern, GlobalFinalytics

May 2017 – Aug 2017

- Designed and implemented core features in webpages using HTML, CSS, Javascript/JQuery
- Explored Node.js, Angular.js, Content Management Systems (Wordpress), React

### Predictive Analytics Intern, San Diego Supercomputing Center

June 2014 – April 2015

#### **Project:** Data Mining in Baseball

- Applied predictive analytics and data mining algorithms including k-means clustering algorithms and decision trees to baseball statistics. Analyzed and modeled the performance of an individual player and a team. Identified key areas where teams can gain an advantage over their competitors. Developed and Presented a poster and paper.

## LEADERSHIP & VOLUNTEERING

### Ambassador, Women in Data Science (WiDS)

November 2017 - Present

- Plan and host mini-conference to educate and empower women and other minorities in the field of Data Science, with workshops and discussions with industry speakers, representing UC Berkeley

### UC Berkeley Society for Women Engineers

September 2015 - Present

- *Professional Development Month Head, Start-Up Expo Panel Host*, facilitated launch of a series of workshops to coach 50+ students in developing professional skills - building a Personal Brand, advanced communication, etc.