

# Vin Anand

9917 Kendale Road Potomac, MD: 20854 | govindanand@berkeley.edu | 301-820-8699

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**Objective:** Obtain a technology and product-centric role to develop and employ my analytical and ideation skills

## ACADEMIC EDUCATION

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### University of California, Berkeley

Berkeley, CA

B.S. Electrical Engineering & Computer Science | B.S. Materials Science and Engineering

May 2021

Upper Division Technical GPA: 3.73

**Relevant courses:** Efficient Algorithms and Intractable Problems (CS 170), Machine Learning (CS 189), Optimization Models in Engineering (EECS 127), Probability and Random Processes (EECS 126), Artificial Intelligence (CS 188), Techniques and Principles of Data Science (CS C100), Designing Information Systems and Devices (EE 16AB), Introduction to Entrepreneurship (UGBA C5), Technology Firm Leadership (IND ENG 171)

## INDUSTRY EXPERIENCE

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### AstraZeneca

Wilmington, DE

Software Engineering Intern

Jun 2020 - Aug 2020

- Developed a model to determine readmission rates of heart failure patients using electronic medical health records
- Analyzed patient features such as prior medications and diagnoses in both logistic regression and deep learning models to develop a high accuracy predictor that can identify demographics and populations at a higher risk

### Capital One

McLean, VA

Product Development Intern

Jun 2019 - Aug 2019

- Led development of aggregate datatables for performance marketing and data platform teams across card division
- Defined product specifications for web-activity and visit level tables and defined strategy for future user behavior models exploring the use of interaction-based metrics to increase overall user conversion rates from page visits

### National Geographic

Washington, DC

Data Science Intern

Sep 2018 - Dec 2018

- Analyzed consumer data to model impacts of specific user attributes on churn rates and digital customer retention
- Performed decision tree, multivariate regression analyses and applied collaborative filtering models on aggregate databases via Google Cloud BigQuery using Spark to perform distributed computing on terabytes of data

## RESEARCH EXPERIENCE

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### Sutardja Center for Entrepreneurship & Technology

Berkeley, CA

Case Researcher

Aug 2018 - Present

- Analyzing attributes of prominent individuals across industries and writing studies that correlate organizational performance to leader characteristics and influence, case studies features through the Berkeley SCET Leader Studio
- Current cases include an analysis on Eric Schmidt's career and an overview on Greta Thunberg's green initiatives

### Johns Hopkins Institute for NanoBioTechnology

Baltimore, MD

Biomedical Engineering Intern

Jun 2017 - Aug 2017

- Optimized the synthesis of drug delivery nanoparticles by varying flow rates in a confined impinging jet device to model and assess the efficacy of flow kinetics and dendritic uptake in laboratory studies
- Characterized nanoparticles for size distribution and charge using established protocol and laboratory systems

## HONORS AND ACTIVITIES

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- Certificate in Entrepreneurship & Technology | Sutardja Center | Haas School of Business | Berkeley Engineering
- EECS undergraduate instructor | CS 170 Efficient Algorithms and Intractable Problems | 2020-2021 academic year
- Berkeley Consulting | External Vice President + Project Manager | Premier undergraduate consulting organization
- High Excellence Award, Johns Hopkins University | CARES Symposium at Johns Hopkins School of Medicine

## SKILLS AND OTHER

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- **Technical:** Python, Pandas, SQL, AWS, Spark, Agile development, Matlab, Microsoft Office
- **Personal:** Carnatic vocal musician and avid runner; selected to compete at Penn Relays 2016 for the 4x100 relay