

Vin Anand

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EXPERIENCE

Capital One

Product Manager

New York, NY

Jun 2021 - Present

- Building compute capabilities for the Enterprise Feature Platform to deliver artificial intelligence use cases at scale; customer applications include digital marketing, fraud detection, and identity verification
- Onboarding operational and analytical machine learning use cases to the platform through a phased rollout of critical functionality; deployed a target-state orchestration service for feature DAG workflows to increase scalability by 10x
- **Skills:** Design thinking, product development, A/B testing, system design

Alio

Data Science | [Alio](#), series B health technology startup

San Francisco, CA

Sep 2020 - Jun 2021

- Trained a random forest regression algorithm on patient diagnostic data to predict blood hematocrit to 98% accuracy
- Processed photoelectric sensor data from a kidney device and transformed signals into categorical data for supervised learning models to accurately provide estimates on red blood cell count for patients suffering from kidney diseases
- **Technologies:** MongoDB, AWS Sagemaker, Python

AstraZeneca

Software Engineering Intern

Wilmington, DE

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

National Geographic

Data Science Co-op

Washington, D.C.

Aug 2018 - Dec 2018

- Analyzed 14 terabytes of session data on over one million National Geographic customers to quantitatively define customer behavior; created a collaborative filtering model to recommend content, outperforming prior baseline
- Constructed and cross-validated random forests, feed-forward networks, and logistic regression models to develop customer segmentation and uncover strategies to reduce customer attrition
- **Technologies:** Google BigQuery, Apache Spark, Python and libraries (pandas, scikit-learn)

EDUCATION

University of California, Berkeley

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

RESEARCH AND VOLUNTEER EXPERIENCE

SCET Leader Studio

Case Researcher

Berkeley, CA

Dec 2018 - May 2021

- Published leadership case studies on Greta Thunberg and Eric Schmidt through Berkeley Leader Studio [[case study](#)]
- Analyzed attributes of leaders across industries and evaluated their organizational performance by studying the relation between the subject's background and their vision; case research was advised by Dr. Pamela Park

Johns Hopkins Institute for NanoBioTechnology

Biomedical Research Intern

Baltimore, MD

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

Children's National Medical Center

Materials Science Research Intern

Washington, D.C.

Jun 2016 - Aug 2016

- Characterized materials and synthesized prussian blue nanoparticles evaluating efficacy and performance to locally heat tumor tissue for the uptake of drug molecules and compared results to current industry baseline
- Conducted photo thermal testing to assess identical concentrations of both nanoparticles for hypothermic activity

SKILLS AND INTERESTS

- **Skills:** Design thinking, Python, SQL, Pandas, Snowflake, Splunk, BigQuery, Agile, Microsoft Office, Google Suite
- **Interests:** Carnatic music, vinyasa yoga, unsupervised machine learning, composing original indie rock songs