Vin Anand

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EXPERIENCE

Capital One **New York, NY**
Product Manager | AI Platform *Jun 2021 - Present*

- Building compute and orchestration 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
- **Releases:** Feature lineage, Feature versioning, Event-based triggers, Orchestration workflow service (layered on K8s)
- **Patent**: Anand, Govind. 2023. *Training Machine Learning Models Based on Feature Validity*. U.S. Patent 18/317,898 filed May 15, 2023. Patent pending

Alio **San Francisco, CA**
Software Engineer (Data) | series B remote patient monitoring startup *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 **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

National Geographic **Washington, D.C.**
Data Science Co-op *Aug 2018 - Dec 2018*

- Analyzed 14 terabytes of session data on over one million customers to quantitatively define customer behavior
- 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 **Berkeley, CA**
Case Researcher *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 **Baltimore, MD**
Biomedical Research 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

Children's National Medical Center **Washington, D.C.**
Materials Science Research Intern *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**: Unsupervised machine learning, composing indie rock songs (The Modern Garage), computational materials science (research on nanotechnology and semiconductor engineering are on my personal website), track and field; qualified and competed at Penn Relays 2016 for the 4x100 relays