

Anirudh Kamath

DATA SCIENCE · MATHEMATICS

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Education

Northeastern University

Boston, MA

B.S. MATHEMATICS AND DATA SCIENCE, KHOURY COLLEGE

MINOR IN BUSINESS ADMINISTRATION

SEMESTER ABROAD AT AMERICAN COLLEGE OF THESSALONIKI IN THESSALONIKI, GREECE

Sep 2017 - Dec 2021

RELEVANT COURSEWORK: LARGE SCALE INFORMATION AND RETRIEVAL (SCALA, SPARK, NOSQL, AND DISTRIBUTED SYSTEMS),

PROBABILITY AND STATISTICS, OBJECT-ORIENTED DESIGN, LINEAR ALGEBRA, ALGORITHMS AND DATA STRUCTURES

Experience

Apple, Inc.

Cupertino, CA (Remote)

SOFTWARE ENGINEERING INTERN, HEALTH SPECIAL PROJECTS

Jun 2020 - Aug 2020

Python, PySpark, Metaflow, Golang, Java Kotlin, AWS Glue, AWS Lambda, AWS Athena

- Highly confidential work. Can't disclose much, but overall built technologies to support Apple and Apple-associated hospitals to address broad health-related problems.
- Worked on ETLs and cutting-edge data engineering and distributed systems solutions to support data science teams with appropriate data in a scalable manner.

Boston Consulting Group (BCG)

Boston, MA

NAMR MARKETING ANALYTICS CO-OP

Jul 2019 - Dec 2019

Python, Tableau, PySpark, Scikit-Learn, Excel, PowerPoint, Selenium, SQL Server, MS Dynamics, Salesforce

- Engaged with fashion client on case team consulting underserved communities in Boston.
- Analyzed 100k historical global marketing campaigns to measure effectiveness of events in increasing engagement with current/target clients
- Used Latent Dirichlet Allocation (LDA) for topic modelling of BCG.com articles, then added user data for an article recommendation engine based on article-article relevancy and user-article propensity
- Setup Selenium scripts in Python to automate repetitive distributed data entry into the BCG.com content management system (CMS).
- Created ETLs to sync various background information sites (LinkedIn, Bloomberg, Crunchbase, Owler, etc.) with company CRM.

Rock Ventures

Detroit, MI

PROJECT MANAGEMENT INTERN

Aug 2018 - Jun 2019

Python, PyTorch, Tensorflow, Keras (Tensorflow), AWS SageMaker, Flask, AngularJS

- Outlined/developed digital growth strategies for firms across Dan Gilbert's portfolio of companies, specifically for Dictionary.com & StockX.
- Utilized latent vectors (hidden features not explicitly describable to a computer) from disentangled variational autoencoder (β -VAE) in PyTorch to decompose sneaker/streetwear trends and correlate these features to willing-to-pay price points.
- Implemented Mask R-CNN (segmented and labeled regions of images) model in Tensorflow for detection/segmentation of various fashion objects such as shoes, handbags, tops, and bottoms.

StockX

Detroit, MI

DATA SCIENCE INTERN

May 2018 - Jul 2018

Python, Tableau, Google Analytics, AWS Lambda, AWS SageMaker, Keras (Tensorflow), Pandas, PostgreSQL, MySQL

- Developed convolutional autoencoder (data compression to highlight hidden representations in unstructured data) in Keras for image-based similar item recommendations.
- Researched and reported ideal fulfillment warehouse locations through location clustering and shipping optimization based on buyer/seller traffic and potential growth in the area.
- Optimized buyer-authentication-seller shipment path via shortest path optimization on weighted graph considering shipping time/cost.
- Created ETL to automate reporting daily sales and website metrics across variety of sources into one company email to employees.
- Structured KPIs and data from various sources for input into Customer Acquisition Cost (CAC) model to determine return on investment for social media advertising.

Honors & Awards

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| 2019 | Finalist and Inaugural Data Award Recipient , Northeastern RISE Research Fair | Boston, MA |
| 2018 | Finalist , Northeastern RISE Research Fair | Boston, MA |
| 2017 | National Finalist and 1st in State , Technology Students Association | Orlando, FL |
| 2017 | Winner , Intel Excellence in Computer Science | Raleigh, NC |
| 2017 | Silver Medal Recipient for Research , US Army (via Intel ISEF) | Raleigh, NC |
| 2017 | 3rd Place Statewide Technology Research , Intel ISEF, North Carolina | Raleigh, NC |
| 2017 | Eagle Scout , Boy Scouts of America | Charlotte, NC |