

Anirudh Kamath

SCIENTIFIC COMPUTING AND DAD JOKE ENTHUSIAST

☎ (+1) 980-263-1814 | ✉ anirudh@kamath.io | 🏠 kamath.io | 📷 kamath | 📺 anirudhk

Education

Northeastern University

Boston, MA

B.S. MATHEMATICS AND DATA SCIENCE, MINOR IN BUSINESS ADMINISTRATION (MAJOR GPA: 3.96)

GRADUATE COURSEWORK: MACHINE LEARNING AND STATISTICAL LEARNING THEORY, NUMERICAL ANALYSIS I (LINEAR ALGEBRA), NUMERICAL ANALYSIS 2 (PARTIAL DIFFERENTIAL EQUATIONS), GRAPH THEORY

Sep 2017 - Dec 2021

SELECTED UNDERGRADUATE COURSEWORK: COMPUTER GRAPHICS, LARGE-SCALE INFORMATION STORAGE AND RETRIEVAL, ALGORITHMS AND DATA, OBJECT-ORIENTED DESIGN, PROBABILITY/STATISTICS, LINEAR ALGEBRA, CALCULUS 1-3

Experience

Whatnot

San Francisco, CA

MACHINE LEARNING SCIENTIST, DISCOVERY

Sept 2021 - Present

LANGUAGES/TECH: Python, Kafka, Dagster, AWS Sagemaker, Terraform, FastAPI, Airflow, Docker

- ML hire no. 2, engineer no. 32
- Worked on building up candidate generation/recsys engine from the ground up and scaling for millions DAU
- Responsible for end-to-end model EDAs, data gen, training, testing, deployment, and maintenance of various high-traffic ranking surfaces

CrowdStrike

El Segundo, CA (Remote)

DATA ENGINEERING INTERN, INTELLIGENCE/R&D

Jun 2021 - Sep 2021

LANGUAGES/TECH: Python, Starlette/FastAPI, React, Kubernetes, Docker

- Built ETLs internal service to monitor machine learning pipelines at scale for data scientists.

Neo4J

San Mateo, CA (Remote)

SOFTWARE ENGINEERING INTERN, SOLUTIONS AND PROFESSIONAL SERVICES

Jan 2021 - May 2021

LANGUAGES/TECH: Neo4J/Cypher, React, GraphQL, AWS Glue, Apache Hop, Terraform, D3.js, Python, Docker

- Directly interfaced with clients and develop/deploy full-stack graph database backed solutions that best suits their needs.

Apple

Cupertino, CA (Remote)

SOFTWARE ENGINEERING INTERN, HEALTH

Jun 2020 - Aug 2020

LANGUAGES/TECH: Python, PySpark/Spark SQL, Metaflow, Golang, AWS Glue, AWS Lambda, AWS Athena, Terraform

- Worked on ETLs and large-scale data migrations on AWS to scalably support data science teams. Work was related to hospital technology

Boston Consulting Group (BCG)

Boston, MA

NORTH AMERICA MARKETING CO-OP

Jul 2019 - Dec 2019

LANGUAGES/TECH: Python, SQL, Tableau, Pandas, Scikit-Learn, MS Office, Selenium, Salesforce

- Worked on BCG.com article recommendation system based on LDA topic modelling and built various CRM ETLs.

Rock Ventures

Detroit, MI

SPECIAL PROJECTS INTERN

Aug 2018 - Jun 2019

LANGUAGES/TECH: Python, SQL, JavaScript, PyTorch, Tensorflow, Keras (Tensorflow), AWS SageMaker, Flask

- Utilized embeddings from a disentangled variational autoencoder (β -VAE) to willing-to-pay price points on StockX.
- Developed on outfit-matching algo on StockX based on embedding matching between streetwear and sneaker products

StockX

Detroit, MI

DATA SCIENCE INTERN

May 2018 - Jul 2018

LANGUAGES/TECH: Python, SQL, Tableau, Google Analytics, AWS Lambda, AWS SageMaker, Keras (Tensorflow), Pandas

- Researched ideal fulfillment locations for shipping path optimization based on buyer/seller traffic, potential growth, and shipping cost.
- Automated reporting daily KPIs from various sources into single email; assisted in building consumer acquisition cost (CAC) model

Projects

Fashion Recommendations via Linked Latent Spaces

kamath.io/LinkedLatentSpaces.pdf

LANGUAGES/TECH: Python, Keras (Tensorflow)

March 2021

- Given a dataset of fashion item metadata and images, I trained node2vec on item metadata and a convolutional autoencoder to go across image and graph latent spaces. This allows you to find shoes that go with a shirt based on both latent image and metadata properties.