KASHISH KHARBANDA

A self-driven digital native carrying a high level of enthusiasm for Information Technology and Entrepreneurship. Well-versed with Computer Science, Data Science, ML, and Electrical Eng principles. Growth minded with a strong vision to create an impact using emerging technologies. Looking for opportunities that leverage leadership and collaborative skills!

(404) 518-0072 kashishkhar@gmail.com linkedin.com/in/kashishk/ kashishkhar.github.io/profile/

Skills

Professional

- Leadership ■■■■□
- Willingness to learn ■■■■■
- Communication ■■■■■
- Dependability ■■■■■

Technical

- Java ■■■■□
- Python ■■■■■
- C++ ■■■■□
- Ruby ■■■■■
- Git ■■■■■
- Pandas, Numpy ■■■■■
- Sci-kit, Seaborn, MatPlotLib ■■■■□
- Data queries in SQL/SQLite ■■■■□
- ML algorithms in PySpark ■■■■□

Education

University of California, Berkeley

Aug 2019 - Dec 2022 [graduated]

B.A. Data Science + EECS (Electrical Engineering & Computer Science)

Relevant coursework:

- Structure/Interpretation of Computer Programs
- Data Structures
- Foundations of Data Science
- Introduction to AI/ML
- Principles/Techniques of Data Science
- Designing Information Devices and Systems (I & II)
- Computer Security
- Introduction to Database Systems
- Efficient Algorithms and Intractable Problems

Organizations:

- Undergrad Lab @ Berkeley [Data Science Director]
- FEMtech [Outreach Committee]
- Opportunity Through Data [External Events & Partnerships]
- Data Science Society [Member]

Activities & Awards

Google NCWIT [2019]
Award recipient

Mobile Application Dev [2019]
Top 15, FBLA National Level Conference

Relay for Life [2017-19]
Team captain, Social Media Lead

Girls Who Code [2017-18]
Volunteer and Tutor

Experience

GPU Software Developer

Intel Corporation **February 2023-present**

Part of the AXG (Accelerated Computing Systems and Graphics) team. Developing Graphics Processing Unit (GPU) software device model for high performance computing, using primarily C++, Ruby, and Python. Working on simulation & emulation software to develop and test features for Intel's next generation GPU pre-silicon. Enhancing and debugging validation framework APIs in order to implement GPU validation tests.

Software & Machine Learning Intern

T-Mobile **May 2021-August 2022**

Year 1: Built a web app to operationalize the process of generating a Model Performance report for any ML model. **Year 2**: At T-Mobile for Business, took customer data and generated insightful ML models.

Software Development Intern

UC Berkeley Division of Computing & Data Science **Jan 2021-May 2021**

Iteratively developed open source code & maintained infrastructural reliability for autograding software used for CS & Data Science classes.

Business Development Intern

Berkeley SkyDeck Startup Accelerator **Dec 2020-May 2021**

Developed startup recommendation lists for companies partnered with SkyDeck. Assisted with program research regarding bay area startups.

Artificial Intelligence Intern

Microsoft Corporation **Jun 2019-Aug 2019**

Used Python and SQL to understand data drift (unexpected change of data overtime) and addressed the resulting model accuracy degradation

Data Science Intern

Microsoft Corporation **Jun 2018-Aug 2018**

Worked on a Data Migration project to predict the best Azure SQL Database SKU for an on-premises database; used Python, C#, PostgreSQL.

Extracurriculars

Data Science Research Director

Undergrad Laboratory @ Berkeley **Sep 2020-Dec 2022**

Responsible for leading and mentoring the Data Science undergraduate lab at UC Berkeley, consisting of more than 60 researcher students.

Course Assistant – INDENG 190E/290

UC Berkeley Center for Entrepreneurship & Tech **Jan 2021-May 2021**

Coordinating & preparing materials for a venture project class leveraging emerging technologies to deliver innovative MVPs of startup projects.

Projects

Stock Market Prediction **Dec 2021**

Used a 64-feature OHLC stock market dataset for 10 NASDAQ-100 companies to extract technical indicators to predict stock market trends.

Facial Detection **Jun 2020**

Learned about Computer Vision and utilized Machine Learning based Haar Cascade classifiers with Adaboost to identify human facial features.

Inclusive Meeting **Jul 2019**

Used Natural Language Processing and Sentiment Analysis to develop a model that renders a wholistic team meeting feedback report.