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, and Machine Learning principles. Growth minded with a strong vision to create an impact using emerging technologies. Looking for opportunities that leverage strong leadership and collaborative skills!

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

Skills

Professional

- Willingness to learn
- Leadership
- Communication
- Bias for action

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 Lead]
- Data Science Society [Member]

Activities & Awards

Google NCWIT
Award recipient

Mobile Application Dev
Top 15, FBLA National Level Conference

University Laboratory @ Berkeley
Director of Data Science

Girls Who Code
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 XML. 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**

***Worked here full-time during summers, and part-time during the school year.*
Year 1: Built a web app to operationalize the process of generating a Model Performance report for any ML model. Deployed it for T-Mobile's biggest Data Science company-wide hackathon with 500+ participants and over 30 teams
Year 2: Took customer data and generated ML models for business use cases.

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. Utilized Azure Cognitive Services for an independent project: *Inclusive Team Meeting*.

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.

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 tech classes at UC Berkeley & other schools.

Business Development Intern

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

Worked with 200+ bay area startups at Berkeley's biggest startup incubator to provide them with opportunities at Fortune 100 companies.

Course Assistant – INDENG 190E/290

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

Worked with the professor to lead a venture project class at UC Berkeley of 30+ undergraduate & graduate students. Leveraged 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.