

PRIYANS N DESAI

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EDUCATION

University of California, Berkeley

August 2018 - Spring 2022 (Expected)

Bachelor of Arts in Computer Science (Major) and Data Science (Minor)

GPA: 3.844/4.000

RELEVANT COURSEWORK

Computer Programs, Data Structures, Discrete Mathematics, Probability Theory, Information Devices & Systems, Machine Structures, Data Science, Techniques of Data Science, Algorithms, Artificial Intelligence, Ruby on Rails, React.js, Fundamentals of Investing, Databases, Probability in Data Science

WORK & RESEARCH EXPERIENCE

Software Engineering Intern — Scanta

May 2020 - Present

- Building an engine for entity extraction for 40 entities and deviation to prevent adversarial attacks.
- Developed optimized services using Azure EventHub API for parallel processing of chatbot conversations.
- Developing services for text extraction and analysis from scanned images, for detecting adversarial attacks.
- Contributed to building an Outlier Detection infrastructure through an algorithm based on graphs to establish relationships between related entities.
- Setup various CLI tools for presenting demos related to Membership Inference Attacks and NLP Text Attack

Software Engineering Intern — Doctor Insta

May 2019 - August 2019

- Optimized querying services by reducing server resources by 70% and increasing load speed by 40%.
- Upgraded UI for client portals using Chart.js, FooTable and AdminLTE libraries.
- Developed devops tools for automated testing using Selenium Libraries

PROJECTS

BearKeeper — [View Project](#)

React.js & FireBase API

Web-app for task-scheduling for Berkeley courses. Used FireBase API to fetch saved tasks from the database.

SuitableFind — [View Project](#)

Python & Terminal Based

A recommendation engine for Berkeley CS courses, adjusted as per user interests. Features like PreReq satisfaction, CourseLoad indicator Combination of courses, CoursePlanner

Lecture Speed Tracker — [View Source Code](#)

Flask & FireBase API

Built an online lecture tracker to boost interactivity. Features both instructor and student-facing views. Instructors can ask for feedback on-demand

Gitlet — [Email to view source code](#)

Java

A version of Git with all almost all features, including pull, push. A custom-suited Dijkstra's algorithm for implementing the merge feature.

COVID-19 Data Classification & Regression Models — [View Source Code](#)

Python & Scikit-learn

Created a classification model for classifying countries on the levels of Coronavirus transmission as of May 2020.

TOOLS & TECHNOLOGIES

Proficient: Python, Java, SQL, Pandas, NumPy, Django, FireBase

Familiar: C, RISC-V, Flask, React.js, Ruby on Rails, Kafka, ZooKeeper, Redis, Docker, Machine Learning

EXTRA CURRICULAR ACTIVITIES

EECS 16B Lab Assistant & Teaching Assistant

January 2020 - Present

Currently helping students complete a robotic voice-controlled car which uses SVD/PCA, Linear Approximation, Controls (Eigenvalue Placement). Assisting TAs in other logistics matters of the course

Data 100 - Principles Techniques of Data Science Tutor

January 2021 - Present

Helping out in Office Hours and discussion sections which go over the week's content.