PRIYANS NISHITHKUMAR DESAI

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EDUCATION

University of California, Berkeley — August 2018 - Present
Bachelor of Arts in Computer Science (Major) and Data Science (Minor) — GPA: 3.844/4.000

COURSES

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

WORK & RESEARCH EXPERIENCE

Software Engineering Intern — Scanta — May 2020 - Present
Building infrastructure for entity extraction and deviation detection to prevent adversarial attacks on ML systems.
Developed optimized services using Azure EventHub streaming API for parallel processing of chatbot conversations.
Developing services for text extraction and analysis from scanned images, for detecting adversarial attacks.

Software Engineering Intern — Doctor Insta — May 2019 - August 2019
Optimized querying services across all portals by reducing resources used by 70% and increasing load speed by 40%.
Upgraded UI for client portals using Chart.js, FooTable and AdminLTE libaries.
Developed devops tools for automated testing using Selenium Libaries

Undergraduate Researcher — Berkeley RISE Lab — July 2020 - Present
Will be working with Grad. student Rohan Bavishi on the AutoPandas project which aims to build end-to-end AutoML systems.

PROJECTS

BearKeeper — bit.ly/bearkeeper — React.js & FireBase API
Web-app for task-scheduling for Berkeley courses. Used FireBase API to fetch saved tasks from the database.

Lecture Speed Tracker — 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

SuitableFind — bit.ly/suitablefind — Python & Terminal Based
Created a recommendation engine for Berkeley CS upper-division courses, adjusted as per user interests. Features like PreReq satisfaction, CourseLoad indicator if certain courses can be taken in combination, CoursePlanner

Gitlet — Java
Created a version of GitHub with all almost all features, including pull, push, fetch and merge. Created a custom-suited Dijkstra's algorithm for implementing the merge feature

Clubs & DeCal Communication System — Ruby on Rails
Created a web-app where different clubs and DeCals can create their profiles and share what is happening in their clubs. Clubs can create applications and students can apply to these clubs.

For more information, vist LinkedIn given above. Web Portfolio - bit.ly/priyanswebportfolio

TOOLS & TECHNOLOGIES

Proficient: Python, Java, SQL, Pandas, NumPy, Django, FireBase
Familiar: Flask, React.js, Ruby on Rails

EXTRA CURRICULAR ACTIVITIES

EECS 16B Lab Academic Student Employee — January 2020 - Present
Currently helping students complete EE lab requirements remotely, by providing assistance over online mediums.
Debugging circuits using home kits and providing feedback to Head Lab Teaching Assistants

CSM Junior Mentor for lower-division EE course — January 2020 - Present
Held weekly sections to help students review new material taught in lecture