Atharva Patil

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EDUCATION

University of California, Berkeley — *BA, Computer Science and Statistics (Intended)*   AUG 2019 - MAY 2022
- **GPA:** 3.8, **Major GPA:** 3.9
- **Relevant Coursework:** Data Structures, Linear Algebra & Diff. Equations, Discrete Mathematics, Multivariable Calculus

India International School in Japan — *93%, Indian Board Examinations*   APRIL 2014 - MARCH 2019

SKILLS

- **Technical -** Python (Flask), Java, C++98, PHP, JavaScript (React Native), Flutter, HTML/CSS, SQL, Git, Scheme
- **Languages -** English, Japanese, Marathi, Hindi
- **Work Authorization -** Authorized in the United States through CPT; Citizen of India and Permanent Resident of Japan

WORK EXPERIENCE

KPMG Ignition Tokyo — *Software Engineer Intern* — *Tokyo, Japan*   JULY 2020 - PRESENT
- Currently developing software in Python to programmatically audit financial documents.

University of California, San Francisco — *Research Intern*   FEB - MAY 2020
- Worked with Dr. Sneha Oberoi to develop RetainerByte, an iOS app, to track the usage of a smart retainer device for orthodontists and patients to monitor the retainer's effectiveness.
- Developed app in Swift using Apple CareKit and integrated with Google Firestore to save real-time data on the cloud
- Won 2nd place in the iHackHealth hackathon co-hosted by UC San Francisco and UC Berkeley.

Department of Electrical Engineering and Computer Science, UC Berkeley — *Research Intern*   FEB - JUNE 2020
- Assisted Dr. Alexandre Bayen in a project to measure the adoption of 'smart-city' technologies by Californian government agencies in the security, mobility, and water sectors.
- Wrote web scraping programs in Python using Scrapy to scrape government, news and private company websites.

Cross-Border Next, Inc. — *Software Engineer Intern* — *Tokyo, Japan*   JULY - AUG 2019
- Developed a web crawler using PhantomJS to daily scrape transaction records and store them in a MySQL database.
- Integrated the crawler with the company's CakePHP-based sales management system.
- Obtained exposure to a Chinese work environment.

PERSONAL PROJECTS

Pandemap — *Social Distancing Friendly Location Suggestion App* — *https://github.com/tejjogani/Pandemap*
- A location suggestion app that recommends the least crowded places nearby using computer vision and location data.
- Made the frontend in React Native, backend in Django (on IBM Cloud) and machine learning model using IBM Watson.
- Worked with 4 teammates to develop and open source the project for IBM Call for Code 2020.

LateNight — *Late-night Restaurant Recommendation App* — *https://devpost.com/software/latenight*
- A late-night restaurant recommendation app that maps dining options based on food ratings and neighborhood safety.
- Food ratings are derived from Yelp's API and safety scores were calculated by analyzing thousands of SFPD crime records.
- iOS frontend made in React Native and backend developed in Python (Flask) along with an SQLite database.

Pacifica — *School Library Management System* — *https://github.com/patilatharva/pacifica*
- A library system developed for my high school to manage inventory and student records and to check in/out books.
- The system utilizes Open Library and Google Books API to fetch a book's information upon scanning the ISBN barcode.
- Backend written in PHP, frontend made using jQuery and Bootstrap and database configured as MySQL.