

Atharva Patil

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EDUCATION

University of California, Berkeley — *BA, Computer Science and Statistics (Intended)* AUG 2019 - MAY 2022 (EXPECTED)

- **GPA: 3.8, Major GPA: 3.9**
- **Relevant Coursework:** CS 61A - Structure and Interpretation of Computer Programs, CS 61B - Data Structures, Math 54 - Linear Algebra & Differential Equations

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: native proficiency, Japanese: native proficiency, Marathi: native proficiency, Hindi: intermediate
- **Work Authorization** - Authorized through CPT; Citizen of India and Permanent Resident of Japan

WORK EXPERIENCE

Cross-Border Next, Inc. — *Software Developer 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.
- Learned how to develop a simple content management system using the CakePHP framework.
- Obtained exposure to a Chinese work environment.

Direct Marketing Agency K.K. — *Software Developer Intern* — Tokyo, Japan JUNE - JULY 2019

- Learned how to develop a linear regression model to calculate the probability of a customer making a purchase, and to deploy it as a Web API. The model was developed using Microsoft Azure's (GUI-based) Machine Learning Studio.
- Debugged the backend of a Japanese e-commerce website written in PHP (CodeIgniter framework).
- Obtained exposure to corporate work culture and office environment in Japan.

Shibaura Institute of Technology — *Participant in International High School Internship Program* JULY 2018

- Programmed a spherical robot to complete an obstacle course by detecting collisions, using its JavaScript API.
- Received an Honorable Mention award for the final presentation of my project.

PERSONAL PROJECTS

LateNight — *Late-night Restaurant Recommendation App* OCT 2019 - Jan 2020

- 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.
- Frontend programmed for iOS in React Native using the Google Maps plugin and backend written in Python using the Flask framework and an SQLite database.

Pacifica — *School Library Management System* — <https://github.com/patilatharva/pacifica> AUG 2018 - APRIL 2019

- 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.
- Written in procedural PHP, JavaScript (jQuery and AJAX methods) and HTML (Bootstrap) and uses a MySQL database.

iisjstudentcouncil.com — *Student Council website* JUNE - JULY 2018

- A website for my high school's Student Council to handle event sign-ups, merch orders and student feedback.
- Incorporated the Sheets API to automatically save all submitted information in Google Sheets spreadsheets.
- Collaborated with a friend to design the frontend using HTML, CSS and JavaScript and program the backend using PHP.