

PRATEEK RAO

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SKILLS

Programming languages: Java, C++, JavaScript(ES6+), Python, Ruby, SQL, HTML, CSS, Swift

Software Frameworks: Node.js, React.js, Redux, Vue.js, Flutter, BootstrapJS, Flask, Jinja2, Selenium

Development Platforms: AWS, Heroku, GCP, Nginx, Firebase, MongoDB

EDUCATION

University of California, Irvine (2016 - Present)

- Dean's List: Fall 2016, Spring 2017

Expected Graduation: 2020

Sri Kumaran Children's Home, Bangalore (2012-2016)

- Top 5 percentile in graduating class of 2016

LEADERSHIP

Director at ZotHacks

2019

- Co-hosted a 12-hour Freshman hackathon for 50 participants at UC Irvine.
- Part of a team that vetted over 400 applicants for the hackathon.
- Hosted a workshop on creating a Reddit bot during the event to illustrate the basics of APIs and web sockets.

Organizer at Hack at UCI

2017- Present

- Planned, organized and promoted HackUCI, a yearly hackathon at UC Irvine.
- Performed data analysis using Python and GSheets API to understand event feedback from a statistical standpoint.
- Improved the productivity of the team by creating a program to automatically notify members of pending tasks.

PROJECTS

PicNote (SDHacks 2018)

- Developed a multi-platform application for students to take pictures of notes and share with their classmates.
- Built an API in Flask with multiple routes that the frontend React-Native application can send requests to.
- Created database schemas for storage and implemented a Python class to handle SQL queries.
- Implemented AWS S3 buckets to handle image uploads and improve file access time.

Travel Mapper (HackMIT 2018)

- Member of a team that developed a web application to plan and map destinations to visit while travelling a city.
- Implemented a frontend UI using Bootstrap and frontend web page routing using jQuery.
- Obtained directions, places to visit and visiting hours from the Google Maps API and Directions API.
- Implemented the Dijkstra algorithm to suggest an optimal list of tourist destinations to visit in a given time frame.

Hack Trello (2018)

- Part of a team that developed an application that reminds members of Hack at UCI of pending Trello tasks.
- Used the Trello API (<https://trello.com>) to import task-related data from Trello Boards.
- Used Twilio, SendGrid and Facebook APIs to send task messages via text, email and Facebook respectively.
- Developed a landing page for the sender using Flask, Jinja2, HTML and CSS.

PROFESSIONAL EXPERIENCE

Tutor at VarsityTutors Inc.

2017 – 2019

- Worked with high school students to help them succeed in ACT, SAT and AP tests.
- Created comprehensive problem sets incorporating questions from exactly 25% of each section of the ACT exam.

Tutor at International Students Excellence Programs

2017 – 2018

- Helped peers with college coursework in subjects such as Chemistry, Math, Physics and Computer Science.
- Maintained a schedule for all peers, ensuring their success in the tutored course.