

# PRAVIN SIVABALAN

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Looking for Summer Internship. From St. Louis, MO. Willing to Relocate. US Citizen. Prefer working the Full Stack. Want to get more into the architecture/planning side of things.

## EDUCATION

### PURDUE UNIVERSITY

B.S. Computer Science, Minor in Business Management, Certificate in Entrepreneurship | Grad: 2020

## WORK EXPERIENCE

### WORLD WIDE TECHNOLOGY | Software Engineering Intern

May, 2017 – August, 2017

Worked on 3 projects, from start to MVP, using Node, Express, Angular2, MongoDB, SQL

- Built REST API for other micro services to authenticate user permissions using **Node/Express**
- Created web application that collected employee's vehicle information for license plate recognition system, built frontend for user input, backend to store information in database, and a cron job to transfer data.
- Worked with team to build frontend that receptionist to authenticate guest's badges to allow them through security barrier, as well as adding web sockets to existing backend to create live feed for receptionist

### PURDUE UNIVERSITY CS240: Programming in C & CS 190: Tools | Teaching Assistant

January 2017 – Present

- Present lab assignment, help students with their questions, and grade homework/projects
- Help create materials: labs, homework, and exams

### WASHINGTON UNIVERSITY | Research Assistant

May 2016 – July, 2016

- Wrote a research paper on the topic of "Techno-Economic Analysis of Coal Direct Chemical Looping Combustion using Aspen Plus"
- Wrote research paper and it received the LMI Aerospace Award for Excellence in Research

## PROJECTS

### PRESCRIPTION MERGE CONFLICT

- 2<sup>nd</sup> place in Health and Wellness Category at Hack Illinois
- Web Application uses patient's past medication history to find out if a new medication will have any adverse effects on the patient
- Web application built using **Python Flask** backend and raw **JS, HTML, and CSS** for the frontend

### JUKE

- Web application for a next generation Jukebox that continuously streams music and chooses the next song based on a Reddit style voting system using the Spotify API
- Built frontend using **Angular2** and Web Sockets and backend REST API using **MongoDB** and **Node** with endpoints that also use the Spotify API to play the music

## LEADERSHIP

### BOILERMAKE EXECUTIVE TEAM

- Plan and organize Purdue's Hackathon with over 500 students that attend
- Part of communications team that promotes the event across universities, where I write content as well as connect with various students and many universities to create an amazing event

**Skills (sorted based on proficiency):** JavaScript, C/C++, Java, HTML, CSS | Python, Ruby, Swift/iOS, Kotlin