

# Apurva Patel

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## Education

### **Bachelor of Science in Computer Science**

The University of Alabama | GPA 3.0 / 4.0

Graduation: December 2019

## Skills

**Programming:** C/C++, Java, Swift, JavaScript, HTML/CSS, Node, SQL, PHP

**Tools:** Vim, Xcode, VS Code, Firebase, Angular, PyCharm, Azure ML Studio

**Knowledge:** Data Structures and Algorithm, Database, Machine Learning

## Experience

### **Machine Learning Intern | Hub Group**

June 2018 - Aug 2018

- Train and tested ML Models on messaging data of drivers using Microsoft Azure ML Portal and Microsoft Language Understanding tool LUIS
- Utilized Robotics Process Automation to reduce work load of the employees, increased productivity.
- Created test cases to test the user interface of messaging portal.

## Current Project

### **Designing Programming Language | Semester Project**

[github.com/apatel19/ProgLang](https://github.com/apatel19/ProgLang)

- Designing a personal Programming Language as part of a class project using **Java**.
- Implemented **Grammar similar to JavaScript** except for the Comment starts with '\$'.
- Will be implementing **Self-Balancing Tree** to demo all functionality of my language works (March 2019).

### **Brain Drone Race Website | University Event**

[github.com/apatel19/BD-Race](https://github.com/apatel19/BD-Race)

- Implementing a website using **Angular** where players can register their drones to race, shows real-time race data, and only referees' have the functionality to begin and end race, also shut down flying drones.
- Implemented **Socket** programming to **enable bidirectional communication**.

## Personal Projects

### **Musical-Chat | Auburn-Hackathon2019 | 24hr**

[devpost.com/software/musical-chat](https://devpost.com/software/musical-chat)

- Designed an **iOS chat application** that not only can send a regular chat, but can also plays a music in other person's phone. Music starts from the given word. Used **Swift 4, Xcode, Algolia, Firebase**.

### **Ad Hoc Shift | VandyHackathon2018 | 48hr**

[devpost.com/software/ad-hock-shift-manager](https://devpost.com/software/ad-hock-shift-manager)

- Designed a web application that helps manager to find available verified employees from nearest location to fill in the shift of the absent employee. Used **HTML, CSS, JavaScript, Firebase**.

### **Cook for me:**

[appadvice.com/app/cook-for-me/1325457840](https://appadvice.com/app/cook-for-me/1325457840)

- Developed **iOS App** where user can create their account using an email and then post their food information for other people to order. Used **Swift 3, Third Party Libraries, Google APIs, Firebase**.
- Written in **Swift** and uses third partly libraries, google APIs and **Firebase** for backend.

### **Movie Ticket Website:**

[github.com/apatel19/Theater\\_SQL](https://github.com/apatel19/Theater_SQL)

- Designed a web app where customer can purchase a movie tickets from a nearby theaters.
- Technology used for front end **JavaScript, HTML, CSS** & backend **PHP, MySQL** database.

## Activities

- Association of Computing Machinery (2018 - Present)
- Helped K-12 students during the **2018 Hour of Code** CS Ed week.
- GitHub: [github.com/apatel19](https://github.com/apatel19)
- Attending University Hackathons. VandyHack2018, VolHack2018, AuburnHack2019, CrimsonHack2019