

Ayushi Patel



Summary

BS graduate offering a strong foundation in software engineering and programming principles across multiple platforms. Proficient at designing scalable applications, writing code in various languages, and feature development and implementation. Successful working in both team and self-directed settings to quickly learn and master new technologies.



Projects

Home IoT System

- Worked in a team to develop a web and mobile application using Django and Ionic that allows users to alter appliance usage in their home while informing them about changes in usage
- Implemented a historic and real-time simulation in Python that generates sensor data and user interaction with the home
- Analyzed data to provide data visualization using Chart.js to display daily, weekly, and monthly usage data of power, water and hvac

Stash Watch

- Collaborated in a team to develop a web application using the LAMP stack and Flask that allows users to view the trading market of items wishing to be sold for a role-playing game called Path of Exile
- Utilized AJAX to update the market
- Incorporated user registration to save and load favorite trades



Experience

Jan 2017 -
Apr 2018

Computer Science Tutor

Association for Computing Machinery

- Held weekly office hours to assist students with understanding important concepts related to course material
- Specialized for the following courses: Introduction to Computation, Object Oriented Programming, Algorithms and Data Structures

Jun 2015 -
May 2017

Math and Science Tutor

Chegg Inc

- Aided students of all backgrounds to grasp difficult concepts in subjects of calculus, linear algebra, and trigonometry



Education

Aug 2014 -
Apr 2018

University of Alabama at Birmingham

- BS in Computer Science
- 3.7 GPA, *Cum Laude*



Additional Activities

Apr 2017 -
Apr 2018

Association for Computing Machinery

Vice President

- Plan and facilitate monthly events for members
- Co-manage and oversee activities and progress of committee



Contact Info

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GitHub

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Skills

Java



Python



HTML



CSS



MySQL



PostgreSQL



Flask



Django



Git





Courses

Object-Oriented Programming

Algorithms and Data Structures

Intro to Databases

Advanced Web Development

Network Security

Networking

Software Engineering