

Rishabh Agrawal

Bloomington, IN

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Education

Indiana University Bloomington

BACHELOR OF SCIENCE IN INTELLIGENT SYSTEMS ENGINEERING | GPA 3.8/4.0

Minor in Computer Science | Minor in Mathematics | Dean's List | Hutton Honor's Program

Bloomington, IN

Aug. 2018 - May 2022 (Exp.)

Experience

Boulevard

LEAD DEVELOPER

Bloomington, IN

Nov. 2019 - June 2020

- A app platform for the medium ranged men's clothing brands to sell their products. Was one of the first 4 members of this startup.
- Upgraded the backend to automatically update the app's inventory database by pulling JSON data from brands.
- Used Python's Requests library for scraping and an AWS server to automate the inventory; scheduled it to repeat using cronjobs.
- Developer for adding the in-app purchase functionality for their application using some Swift and Javascript.

Indiana University

UNDERGRADUATE INSTRUCTOR, C211, INTRO. TO CS (PYTHON) AND C291, C AND UNIX

Bloomington, IN

Jan. 2019 - Present

- Led a weekly discussion section and office hours for about 30 students.
- Redesigned final projects of the course and created homework assignments for students

MESH and RHouse Labs

UNDERGRADUATE RESEARCHER

Bloomington, IN

Aug. 2019 - May 2020

- Worked on creating Haptic devices at MESH Lab which communicates wirelessly over WiFi protocol 802.11b with the computer giving its location, creating a precise drawing using micro-controllers, RaspberryPi and a NodeMCU.
- Worked on Human Computer Interaction(HCI) at RHouse Lab by making a robot with multiple sensors and running a constant feedback loop using proportional integral derivative control.

Robotrix India

INSTRUCTOR

Ahmedabad, India

Apr. 2018 - Jul. 2018

- Taught over 50 students from high schools and colleges at the state's largest Robotic Institute.
- Developed a method of teaching complex robotics programming in C and embedded C based on experience gained during high school.
- Resulted in college students' final projects winning multiple competitions.

Technical Skills

- **Proficient Skills:** Python, Django, Linux, Flask framework, Git, MongoDB, C
- **Experience with:** JavaScript, YAML, Docker, REST APIs, Ras Pi, Data Structures, HTML and CSS, Arduino, RasPi
- **Worked with:** Java, Amazon Web Services, JQuery, IBM Watson, OO Programming, Algorithms, and \LaTeX

Projects

TheEasyScore.com

CO-FOUNDER AND DEVELOPER

Bloomington, IN

Nov. 2019

- Created an algorithm that gives a score to each professor depending on how easy they are by looking at their track record.
- Used Python for the back end and Flask as the framework along with HTML, CSS, Javascript and some JQuery for the front end.
- Over 2,000 Indiana University students used this website to register for classes within 2 weeks of the launch that resulted in more than 6,700 page views.

Teen Techers

FOUNDER

Ahmedabad, India

Jun. 2016 - Jan. 2018

- Launched a YouTube channel with simple tutorials for C programming and small Arduino projects.
- The videos are now a part of the curriculum for middle school students at the Riverside School.
- Received over 100,000 views and counting.

Awards & Achievements

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| 2019 | Most Innovative Idea , Won at FirstNet Hackathon for an app to assist first responders become more time efficient. | Indianapolis, IN |
| 2019 | Special Mention , For a program at DareMightyThings hackathon to help JLL Real Estate auto generate descriptions. | Chicago, IL |
| 2018 | 3rd Place , At an university wide code golf competition. | Bloomington, IN |