Rishabh **Agrawal**

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Education

Indiana University   *Bloomington, IN*
B.S. in Computer Science, B.S. in Intelligent Systems Engineering | GPA 3.95   *Aug. 2018 - May 2022 (Exp.)*
Hutton Honor's Program and Dean's List

Industry Experience

Robotrix India   *Apr. 2018 - Jul. 2018*
Instructor
- Taught over 50 students from high schools and colleges at the state's largest Robotic Institute.
- Instructed students in the development of C and Embedded C programs.
- Taught interfacing with Arduino micro controllers.

Home Automation   *Nov. 2017 - Jan. 2018*
Freelance Contractor
- Developed and produced low cost home automation devices built to be interfaced with a mobile application and the Google Assistant.
- Designed the PCB using Eagle design software and produced over 100 circuit boards.
- Used NodeMCU to control light brightness and fan speeds.

Academic Experience

Indiana University   *Bloomington, IN*
Teaching Assistant, CSCI 211, Introduction to Computer Science   *Jan. 2019 - Present*
- Taught in discussion sections and held office hours to guide students though the course.
- Helped redesigned components of the course and design homework projects for students

Projects

TheEasyScore.com   *Nov. 2019*
Co-Founder and Developer
- Created an algorithm that gives a score to each professor depending on how easy they are by looking at their track record.
- Developed a website where students can search for a course or instructor using numerous parameters and know how easy they grade a particular course.
- 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.

Humanoid Robot   *Apr. 2018 - May 2018*
Maker
- Designed a mobile humanoid robot capable of 20 major human movements/actions.
- Tailored the robot by 3D printing all its parts and programmed an Arduino to control movements using a mobile application.

Teen Techers   *Jun. 2016 - Jan. 2018*
Founder
- 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 84,000 views and counting.

Technical Skills

- **Proficient Languages**: C, Python, C++, Racket, and Embedded C
- **Web development**: HTML, JavaScript, and CSS
- **Other Languages**: Java and LaTeX

Clubs/Organizations

- **Computer Science and ICSA Club** - Participated in all the events and Hackathons held by the club.
- **Basketball** - State level Basketball player in high school and pursuing it in college as well.
- **eSport Dota 2** - Our team ranked in the top 16 in India for the ESL tournament