

Rohan Purandare

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EDUCATION

- **Purdue University, College of Science** West Lafayette, IN
Bachelor of Science in Computer Science Aug 2020 – May 2024 (Expected)

TECHNICAL SKILLS

- **Languages:** Java, C, C++, Python, Javascript, HTML, CSS, Dart

PROJECTS

- **SongSearcher** LaunchPad Club
Language: JavaScript Fall 2020
 - **Lyric Finder:** Prompted user for lyric input, searched through MusixMatch API for lyric match, and displays top five song matches with respective information.
 - **Mentor Collaboration:** Developing project alongside a mentor who provides criticisms and advice to optimize and improve various features.
 - **Future goals:** Create software to allow user to type out the rhythm of a song to provide an additional search feature.
- **Image Manipulator** Harvard University, CS50
Language: C Summer 2020
 - **Pixel Manipulation:** Analyzed each pixel from images of various dimensions and applied functions to them to retrieve and manipulate data from neighboring pixels.
 - **Image Filters:** Reflected image, applied a greyscale filter on the image, blurred the image, or highlighted the various edges detected in the image.
- **Virtual Assistant** KByte, CS01b
Language: Java Summer 2018
 - **Public APIs:** Used API-FOOTBALL and AccuWeather APIs to return the major soccer games occurring on that day or the weather of any city around the world respectively.
 - **JSON Analysis:** Analyzed JSON files to highlight important information that the virtual assistant returned.
 - **User Input Aggregation:** Created a list of user inputs allowing user to add, delete, clear, and save the list.

EXPERIENCE

- **Purdue Hackers** West Lafayette, IN
Logistics Team Fall 2020 - Present
 - Consult with team members to organize computer science related events and workshops for Purdue students to attend.
 - Connect with relevant companies to sponsor, attend, and feature during our presentations.
 - Advertise events around campus by designing flyers, which were posted around campus, and publicize events on social media.
- **Private Tutoring** Lexington, MA
Computer Science and Math Tutor/Instructor Summer 2019 - Present
 - Teach fundamental computer science skills and college level math, improving grades by 9%.
 - Create the lesson plan beforehand using original resources and providing several examples for clarification, while integrating school work.
 - Accommodate for each student's needs by varying the speed of the lesson, inviting clarifying questions, and testing their level of engagement and understanding by supplying them with original questions.

CLUBS

- **Adapted Toys For Children** Fall 2020 - Present
 - Utilize 3-D printing to modify and donate toys for children with special needs.
- **Purdue Taal** Fall 2020 - Present
 - Collaborate with 16 other members to sing our original a cappella arrangements.