Rohan Purandare

www.linkedin.com/in/rohanpurandare

rpuranda@purdue.edu
+1-617-435-1077

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, 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** — KTByte, 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.