Rohan Purandare (He/Him)

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Education

- **Purdue University, College of Science** — West Lafayette, IN
  Bachelor of Science in Computer Science & Applications in Data Science Certificate — *Aug 2020 – May 2024 (Expected)*
  - *GPA: 3.77*
  - *Relevant Coursework: Object Oriented Programming, Foundations of Computer Science, Programming in C*

Experience

- **Product Software Development Intern** — Boston, MA
  PTC — *Summer 2021*
  - Automated the API specification for the collaboration services of the Creo product by parsing through files using go-swagger and then converting to OpenAPI 3.0.0 using swagger2openapi.
  - Create a program in Golang that analyzed a file to create a new file with the appropriate helper methods in creating the API Specification.
- **Purdue University Undergraduate Teaching Assistant** — West Lafayette, IN
  CS 19300 - Developmental Tools — *Fall 2021 - Present*
  - Assist faculty and staff in daily course operations, and provide instructional aide to course students.
  - Grade, create, and troubleshoot course content, hold office hours and conduct laboratory or Practice/Study/Observation sessions, and perform administrative tasks.
- **Private Tutoring** — Virtual
  Computer Science and Math Tutor/Instructor — *Summer 2019 - Present*
  - 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.

Projects

- **ChromeCart** — Boilermake Hackathon
  Language: JavaScript, HTML, CSS — *Winter 2021*
  - **Multi-Platform Aggregation:** Allowed users to store items from various online shopping platforms onto one list stored in a Chrome extension.
  - **Website Data Scraping:** Scanned through web-pages of shopping platforms to store the price, quantity, and link of the product upon adding it to the cart.
- **SongSearcher** — LaunchPad Club
  Language: JavaScript, HTML, CSS, React — *Fall 2020*
  - **Lyric Finder:** Prompted user for lyric or BPM input, searched through MusixMatch API for lyric match, and displays top five song matches with respective information.
- **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.

Clubs

- **Computer Science Undergraduate Student Board** — *Winter 2021 - Present*
  - Improve the Purdue CS department by creating several initiatives that ease the burden of students.
- **Purdue LaunchPad** — *Winter 2021 - Present*
  - Connect CS/DS underclassmen with CS/DS upperclassmen to allow them to create a project of their choosing.
- **Purdue Hackers** — *Fall 2020 - Present*
  - Consult with team members to organize computer science related events and workshops for Purdue students.

Technical Skills

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