Rohan Purandare

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

🔗 rohanpurandare.github.io
in linkedin.com/in/rohanpurandare
github.com/rohanpurandare

Education

Purdue University   **West Lafayette, Indiana**

Master of Science in Computer Science, GPA: 4.00/4.00   *August 2023 – May 2025 (Expected)*
- Coursework: Artificial Intelligence, Data Mining, Information Security

Bachelor of Science in Computer Science, GPA: 3.86/4.00   *August 2020 – May 2024 (Expected)*
- Concentrations: Machine Intelligence, Software Engineering, Security, Algorithms, & Databases & Information Systems
- Coursework: Operating Systems, Algorithm Analysis, Databases, Cryptography, Systems Programming
- Awards: Dean's List and Semester Honors for 7 semesters

Technical Skills

Languages: JavaScript, Java, Python, C, C++, HTML/CSS, Golang, SQL, Bash
Tools and Technologies: React, Angular, Spring, Node.js, MongoDB

Experience

Amazon Web Services | *Spring, Angular, Java, JavaScript, HTML*   **Seattle, Washington**
Software Development Engineer Intern   *May 2023 – July 2023*
- Developed a dashboard highlighting major events in a streaming instance's life cycle to reduce the time taken to identify where problems occurred from several hours to 8 minutes on average.
- Enhanced log retrieval functionality by implementing authentication for accessing relevant accounts and optimized the user interface for improved usability.

Amazon Web Services | *Spring, Angular, Java, JavaScript, HTML*   **Seattle, Washington**
Software Development Engineer Intern   *May 2022 – August 2022*
- Improved inefficient data retrieval for Photon Ops Console by developing a pipeline to gather streaming instance data and logs directly from the database, ultimately reducing the overall cost.

PTC | *Golang*   **Boston, Massachusetts**
Product Software Engineer Intern   *June 2021 – August 2021*
- Automated API specification for Creo product's collaboration services by employing go-swagger to parse files and converting to OpenAPI 3.0.0.

Purdue Department of Computer Science   **West Lafayette, Indiana**

CS 381: Analysis of Algorithms Teaching Assistant   *January 2022 – Present*
- Conduct study sessions to review content from lectures and office hours to assist students with their assignments.

Computer Science Tour Guide   *August 2023 – Present*
- Present the student perspective in regards to the Purdue CS department to over 110 prospective students.

CS193: Tools Course Lead/Instructor   *December 2021 – December 2022*
- Instructed over 900 students the fundamentals of software development including git, terminal, and debugging.

Projects

Codenames AI | *Python*   January 2022 - May 2022
- Built an AI for the game Codenames, leveraging minimax and randomized search algorithms to provide strategic clues.
- Implemented TFIDF vectors to assess word similarity, ensuring the AI's clues are contextually relevant.

Mood Palette | *MongoDB, Express, React, Node*   January 2023 - May 2023
- Developed a web application in a team of 6 that allows users to track their moods and receive songs to complement their moods as well as help track the users' habits.
- Managed the development of features such as daily input, daily data display, and the site shop.

Shell Interpreter | *C, C++, Lex, Yacc*   January 2022 - May 2022
- Constructed a Shell interpreter that incorporates several features from other popular interpreters like bash and csh.

Activities

BoilerMake XI (Hackathon) | Director   January 2022 - February 2023
- Led and orchestrated a 36-hour hackathon, overseeing 500 students and coordinating with 10 sponsors, university representatives, and MLH for successful event execution.

Purdue LaunchPad | Communications Lead, Web Dev Lead   January 2021 - January 2023
- Managed social media platforms, crafting emails, and cultivating relationships with sponsors and led a team of 5 organizers to create a website to enhance the organization's visibility.

Computer Science Undergraduate Student Board | Vice President   April 2022 - April 2023
- Led and coordinated communication and activities among board members, delegating tasks, and ensuring their timely completion.