Krish Majumdar

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EDUCATION

Purdue University, College of Science   **West Lafayette, IN**
GPA: 4.00, Dean's List and Semester Honors Fall 2023, Spring 2024   **May 2027**
Major: BS Computer Science Honors, BS Mathematics
Relevant Courses:
- CS 25100: Data Structures and Algorithms
- CS 24000: Programming in C
- CS 18200: Foundations of Computer Science (Discrete Mathematics)
- MA 35100: Linear Algebra

EXPERIENCE – RESEARCH AND PROJECTS

Purdue Autonomous Robotics Club (ARC): Software developer   **Sep 2023 – May 2024**

- Spearheaded three member software development team for project aiming to create autonomous chess game with robots as pieces
- Integrated computer vision system using April Tags in OpenCV and Python to map robots in XY Plane and correctly path movement to different squares on board
- Collaborated with hardware team to find ideal camera configuration to detect all pieces

App Development   **June 2024 – Present**

- Building educational gaming app for ForestHacks hackathon in three member team
- Developing games (Wordle, trivia, etc.) in Xcode using Swift

CS 18000 Final Project: **Dec 2023**

- Collaborated with five person group to build server-based shopping marketplace GUI in Java
- Implemented multi-threading into marketplace, allowing multiple users to access GUI at once

Purdue Sports Analytics Club   **Aug 2023 – Dec 2023**

- Utilized R to analyze large sport analytics datasets
- Contributed to creation of model that take in college basketball data from previous year and each college's incoming players to predict upcoming years' college basketball rankings

SKILLS AND INTERESTS

- **Languages:** C, Java, Python, R, Swift
- **Technical Skills:** Computer Vision (OpenCV), Git, Linux, Oop, Xcode, Data Analytics in R
- **Personal Skills:** Analytical/Critical Thinking Problem Solving, Teamwork/Collaboration, Adaptability
- **Interests:** Autonomous Robotics, Machine Learning, App Development, Gaming, Basketball, Soccer

EXTRACURRICULARS

- Catapult AI Hackathon, ForestHacks Hackathon, Competitive Soccer, Retail Sales Associate, Volunteer Tutoring