Kayshav Bhardwaj

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Education

Purdue University   **Expected Graduation - December 2027**
Bachelor of Science in Artificial Intelligence   *West Lafayette, Indiana*

Mission San Jose High School   **Class of 2024**
High School GPA: 4.13   *Fremont, CA*

Relevant Coursework

- CS 17600 - Data Engineering In Python
- CS 18200 - Foundations Of CS (Discrete Math)
- CS 18000 - Problem Solving and OOP
- CS 19300 - Tools (Git/Command Line)
- MA 103 - Linear Algebra
- TDM 10100 - Data Mine (Data Processing With Python)

Experience

University of California, Berkeley - *Student Researcher*   **June 2023 − Present**

- Research project with a team of UC Berkeley AI Research Lab (BAIR) Researchers Under Professor Keutzer Using Machine Learning to Translate Underserved Asian Languages to English Text.
- Developing and curating a comprehensive dataset of Sanskrit OCR text pairs by collecting, cleaning, and aligning OCR outputs with corresponding text, enabling the development of future OCR models.
- Led the textual data collection, cleaning, and annotation of millions of multilingual texts.

Purdue AI For Musicians Lab Co-Lead - *Research Fellow*   **August 2024 - Present**

- AI+Music Research under Prof. Hsiang-Lu in the AIM Lab to develop Automatic Music Transcription Technology.
- Co-Leading Team of 12 to Prepare a Competition and Paper Regarding Polyphonic AMT
- Assessing state of the art and gauging AMT's strengths, weaknesses, and feasibility.
- Developed a scoring algorithm to quantify transcription quality.

Governance and Responsible AI Lab (GRAIL) - *Student Researcher*   **March 2025 - Present**

- Responsible AI Research under Professor Schiff in the Purdue GRAIL Lab.
- Contributing to the creation of high quality datasets of scholarly knowledge about AI's workforce impact.
- Project contributes to a larger research initiative making AI workforce research more accessible and policy-relevant.

Mondee AI Labs, San Jose. - *Software Engineering Intern*   **May 2024 − August 2024**

- Under the CFO's guidance, researched and curated dataset to train machine learning algorithms capable of delivering customized travel experiences for a new product targeting an upcoming market.

Projects

Klatch Social | *Swift, iOS Development, Firebase*   **April 2025 - Present**

- Building Klatch iOS Social Media App

iOS App Development | *iOS, Swift, XCode*   **Summer 2020 - Present**

- Coded and released 4 apps, with 3,000+ downloads and 200,000+ impressions in the App Store across 5 continents.

Purdue Autonomous Robotics Club   **August 2024 - Present**

- Helped Build AI Algorithm to Scan Sheet Music to Convert to MusicXML Format for Input into a Robotic Piano Hand.

Crop Harvest Predictor - *2024 AI For Change Hackathon Winner*   **July 2024**

- Developed an AI model based on weather data to predict soybean harvest efficiency.

Technical Skills

Languages: Knowledge of Python, Java, Swift, & R
Developer Tools: Various AI Tools and APIs, Google Colab, GitHub, Google Suite, Microsoft Office
Other Skills: Leadership, Communication, Teamwork, Initiative

Awards

- Dean's List and Semester Honors (Fall 2024, Spring 2024)
- AI for Change Hackathon Winner (2024)
- California Golden State Seal Merit Diploma (2024)
- California State Seal of Biliteracy (2024)