

# Aayan Agarwal

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## SKILLS

**Languages:** Python, R Javascript, Java, SQL, Typescript, Swift, C, PHP  
**Frameworks:** Tensorflow, Matplotlib, Flutter, NodeJS, Express.JS, Solid.JS, REST APIs, MySQL,  
**Developer Tools:** Git, Firebase, Google Cloud, Microsoft Azure, MongoDB, AWS, UNIX

## EXPERIENCE

- Incoming SWE Intern** May 2025 - August 2025  
*Meta*  
• Interning at Meta as a Software Engineer in Summer 2025
- Founding Member + Treasurer** Feb 2024 - Present  
*Humanoid Robot Club Purdue*  
• Established and managed financial systems, securing grants worth \$150,000+ to fund club initiatives.  
• Led a successful marketing campaign, growing membership to 800+ within 6 months.  
• Provided strategic guidance, fostering innovation and collaboration among members.
- Teaching Assistant** August 2024 - Present  
*Purdue University*  
• CS180: Object Orientated Programming, ECON 301: Managerial Economics.  
• Reinforced students' understanding of concepts, hosted lab sections and office hours, responded to queries on online discussion forum.
- Researcher** April 2024 - Present  
*GRAIL - Police Accountability Project (Funded by NIJ)*  
• Presented at IEEE ISTAS 2024 on the use of technology by Police Departments  
• Collected and analyzed data on police departments, focusing on civilian oversight and its correlations with demographic and other factors.  
• Designed and implemented analytical, data cleaning, and visualization frameworks using R.
- Flutter Developer Intern** May 2023 - July 2023  
*Nrich Learning*  
• Collaborated with team of designers and web developers to build a cross-platform white-label app for immigration consultancy firms.  
• Implemented federated sign in, search and filter functionality, and CRM dashboard. Signed app to publish on App Store and Google Play Store.

## PROJECTS

- Boilerfind** June 2024  
*Github*  
• Built a web application that matches students with prospective mentors based on career paths and interests using proprietary algorithm
- Drone Delivery** August 2023 - February 2024  
*Github*  
• Developed a web application that tracks multiple drones in real-time, logs telemetry data, and plots flight paths by integrating GPS tracking, data logging systems, and mapping APIs, ensuring compliance with FAA regulations.
- Electricity Sustainability and Consumption Analysis** October 2023  
*Awarded certificate of merit by President of India*  
• Analyzed electricity usage of school from fossil fuels and solar panels. Calculated monetary savings from using solar energy and installation of energy-efficient appliances.
- Tony Airways** October 2022  
*Github*  
• Collaborated with designers and developers to build a cross-platform application for a dummy airline to find and book tickets, print boarding passes, and request services using Flutter, Firebase FindMyFlight APIs

## EDUCATION

- Purdue University** August 2023 - May 2027  
*BS in Computer Science and Artificial Intelligence, Minor in Business Economics GPA: 3.93*  
**Activities:** Researcher at Transition Path Inc, Co-Founder of Humanoid Robot Club, Logistics Chair of TEDxPurdueU, Received Certificate of Merit from the President of India
- Relevant Coursework:** Data Structures and Algorithms (CS251), Computer Architecture (CS250), Programming in C (CS240), Discrete Mathematics (CS182), Managerial Economics (ECON 301)