

# Aayan Agarwal

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## SKILLS

**Languages:** Python, R, Javascript, Java, SQL, Typescript, Swift, C, C++, PHP

**Frameworks:** Tensorflow, Matplotlib, Flutter, NodeJS, Express.JS, Solid.JS, REST APIs, MySQL, RStudio, React, GraphQL

**Developer Tools:** Git, Firebase, Google Cloud, Microsoft Azure, MongoDB, AWS, UNIX

## EXPERIENCE

### SWE Intern

May 2025 - August 2025

*Meta*

*Menlo Park, CA*

- Developed an internal tool to map dependencies in code and saved 8 eng years
- Added triggers to ensure compliance with Privacy Policy
- Added data validation policy to ensure consistent UX and prevent bad actors

### Founder + Treasurer

Feb 2024 - Present

*Humanoid Robot Club Purdue*

*West Lafayette, IN*

- Established and managed financial systems, securing grants worth \$200,000+ to fund club initiatives.
- Led a successful marketing campaign, growing membership to 1,000+ within 9 months.
- Provided strategic guidance, fostering innovation and collaboration among members.

### Teaching Assistant

August 2024 - Present

*Purdue University*

*West Lafayette, IN*

- 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)*

*West Lafayette, IN*

- Presented at IEEE ISTAS 2024 and MPSA 2025 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*

*India*

- 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

### FormGenie

February 2025

*ProductHunt*

*Flutter, Dart, ExpressJS, Google Gemini, JS*

- AI Agent that can create and edit forms and analyze responses in natural language.
- Launched #11 on Product Hunt with 75+ users

### Plumaverse

January 2025

*Demo*

*Flutter, Dart, Firebase*

- All in one Product Feedback platform to allow PMs and developers to access AI-enabled insights into what there users want.

### Drone Delivery

August 2023 - February 2024

*Github*

*SolidJS, CeisumJS, Hasura, GraphQL*

- 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.

## EDUCATION

### Purdue University

August 2023 - May 2027

*BS in Computer Science and Artificial Intelligence, Minor in Business Economics GPA: 3.85*

*West Lafayette, IN*

**Activities:** Student Activities Organizer of IEEE ETHICS 2025, Assistant Dir of TEDxPurdueU, Received Certificate of Merit from the President of India

**Relevant Coursework:** Software Engineering I (CS 307), Systems Programming (CS 252), Analysis of Algorithms (CS 381), Data Structures and Algorithms (CS251), Computer Architecture (CS250), Programming in C (CS240), Discrete Mathematics (CS182)