

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

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.

Research Assistant

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.

Founder + Treasurer

Feb 2024 - Present

Humanoid Robot Club Purdue

West Lafayette, IN

- Established and managed financial systems, securing grants worth \$250,000+ to fund club initiatives.
- Led a successful marketing campaign, growing membership to 1,500+ within 9 months.
- Provided strategic guidance, fostering innovation and collaboration among members.

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.
- Built in 36 hours at Boilermake Hackathon and launched at #11 on Product Hunt

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 Director 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)