

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

EDUCATION

Purdue University August 2023 - May 2027
BS in Computer Science and Artificial Intelligence, Minor in Business Economics GPA: 3.93 West Lafayette, IN
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)

EXPERIENCE

Founding Member + Treasurer Feb 2024 - Present
Humanoid Robot Club Purdue West Lafayette, IN

- Established and managed financial systems, securing grants worth \$125,000+ to fund club initiatives.
- Led a successful marketing campaign, growing membership to 700+ within 7 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 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

Boilerfind June 2024
Github NodeJS, ExpressJS, MongoDB

- 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 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.

Tony Airways October 2022
Github Flutter, Firebase, FindMyFlight API

- 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