

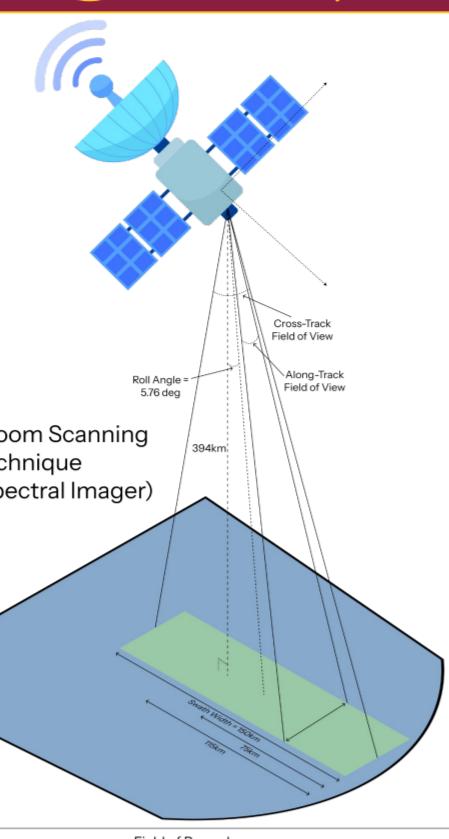
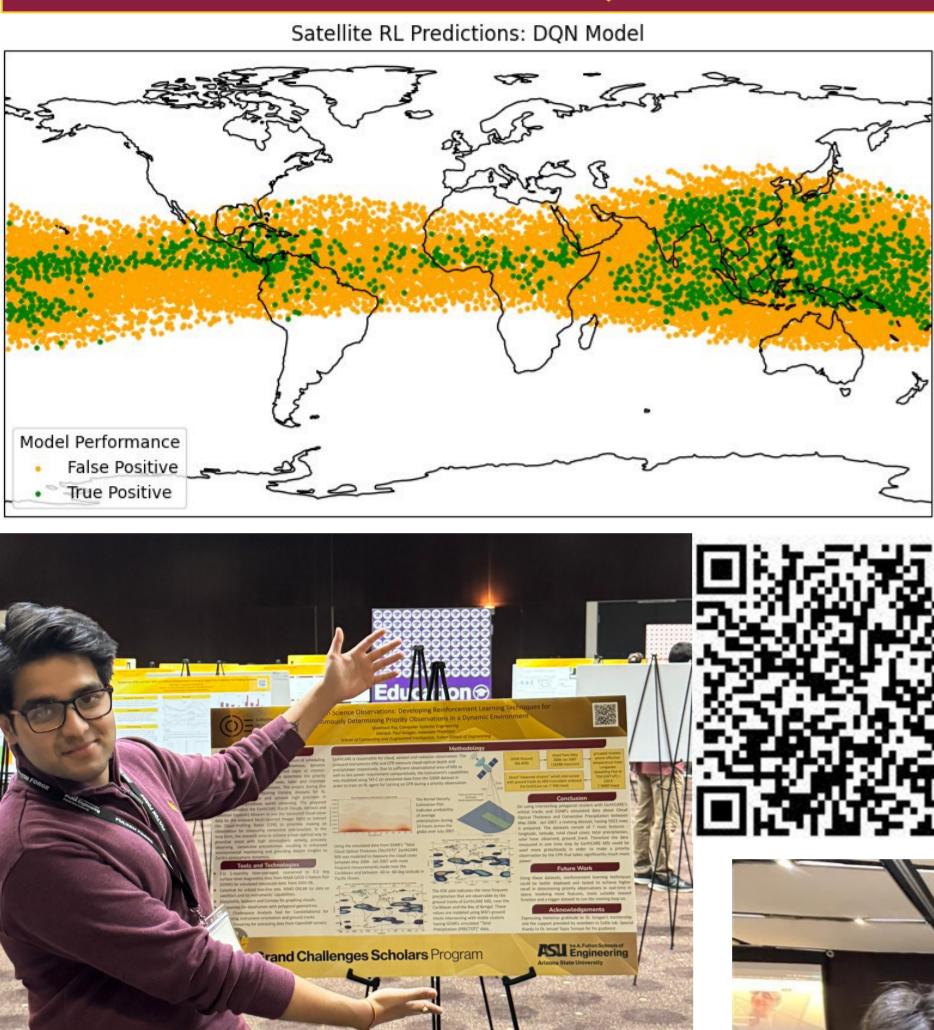
From Curiosity to Contribution - My GCSP Cammino Shashwat Raj



**Grand Challenges
Scholars Program**

Joy of Living | Computer Systems Engineering & Mathematics | Junior

Research (CoDe Lab @ASU)



2 years of research under Dr. Paul Grogan on Optimising Earth Science Missions - Developing RL Techniques for Autonomously Determining Priority Observations in a Dynamic Environment. (\$4,600 funding obtained cumulatively)

Catalonia, A cultural memory

Worked on a multicultural project - Spain Beach Cleaning under the mentorship of Prof. Ramon S. and Prof. David C. of CDEI-UPC. Field tested 4 months of work on our beach-cleaning rover at the beaches of Barcelona, Spain. I personally worked as the prototyping lead.



Work Experience

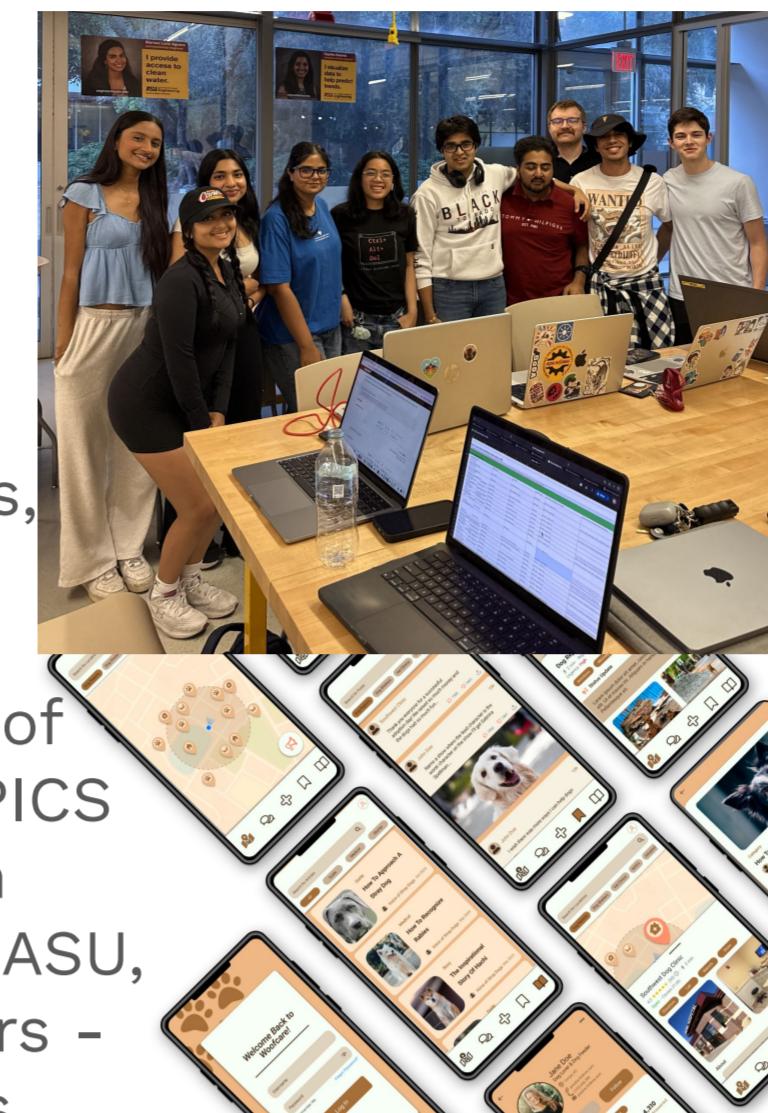


Served as Acting Director of Technology at ACM (Association for Computing Machinery) at ASU. Organized several research poster sessions and fireside chats with industry professionals from companies like the FAANG and other major tech giants.

Currently working as an "Engineer Futures Mentor" at Ira Fulton Schools of Engineering at Arizona State University. I mentor students in tackling the transition from high school to college life, as well as benefit from the opportunities at ASU.

WoofCare (Service Learning)

Started Project Woofcare - a social media based app that allows dog lovers to connect with dog help resources (NGOs, Vet Clinics, Rescue Shelters, Adoption services, etc) to aid helpless stray animals. With the help of Dr. Jared Schoepf of EPICS (Engineering Projects in Community Service) at ASU, and Community Partners - Mr. Anantkumar and Ms. Beena Malikaveetil of Dogs Friendly Pune, the project grew up to 10+ student developers and 60+ NGO partnerships over 1.5 years. Later founded the company WoofCare Solutions Pvt. Ltd. in May 2025 (Check us out on woofcare-solutions.org) and started testing in Pune, India.



Hackathons



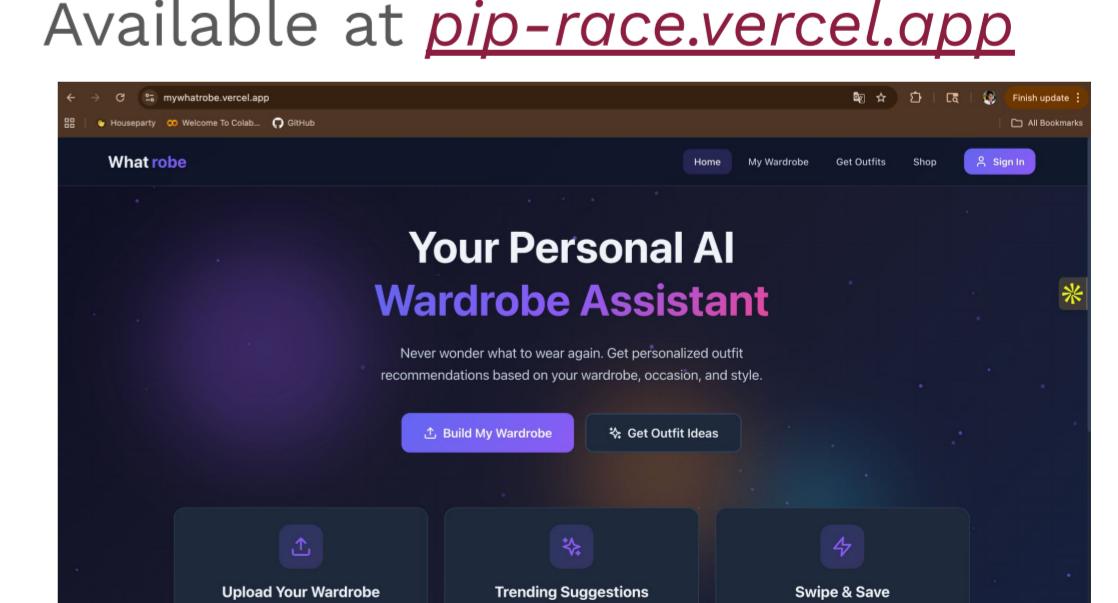
At Calhacks 2023 in UC Berkeley, built Formath (formath.vercel.app) - a step by step problem solving analysis tool that helps students improve conceptual understanding.



At HackPrinceton Fall 2025, within 36 hours, built Metal labs (github.com/arpans404/metal_lab) - a practical learning based web-app with GPU-accelerated simulations of labs experiments, configurable parameters, custom physics engines and AI teaching assistance.



At HackTX 2025, built Pit-Wit, A real-time F1 race strategy system delivering a Rust-based ML inference in sub-50 ms latency, with live telemetry. Available at pip-race.vercel.app



At Sunhacks 2023, built Whatrobe (mywhatrobe.vercel.app) - A web app that gives outfit advice and try-ons from your own wardrobe, filtered by occasion and preferences.



Digital Version :

