

Ishaan Sathaye

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US Citizen

EDUCATION

- **Georgia Institute of Technology** Atlanta, GA
MS in Computer Science August 2025 – Present
- **California Polytechnic State University, San Luis Obispo** San Luis Obispo, CA
BS in Computer Science-AI/ML and minor in Data Science September 2021 – June 2025

EXPERIENCE

- **Lucid Motors** Newark, CA
Software Engineer Intern June 2024 - September 2024
 - **Self-Healing Workflow:** Designed and implemented Golang-based automation features for virtual machine management that streamlined system operations and reduced overhead costs.
 - **Object Storage Cost Optimization:** Engineered a Python-based data analysis tool to optimize data storage usage, resulting in a 20% reduction in storage costs.
- **Amazon Web Services Inc.** Herndon, VA
Software Engineer Intern June 2023 - September 2023
 - **Keycloak Authentication:** Enhanced the integration of AWS services with Keycloak by developing secure, developer-friendly authentication features in accordance with NIST and AWS security standards in Typescript.
 - **Port Obfuscation:** Architected modifications to application connectivity to enhance security and stability, including dynamic configuration updates of ECS tasks and RDS clusters that minimized downtime during deployments.
 - **AWS Certified:** Certified in Data Analytics Specialty.*Software Engineer Intern* June 2022 - September 2022
 - **Serverless Application:** Developed a Python-based serverless application using AWS Lambda, DynamoDB, and CDK to automate meeting generation for Amazon employees. Focused on designing scalable, efficient code and implementing robust error handling to ensure reliability.
 - **Code Pipeline:** Developed integration solutions that streamlined code management and deployment processes, including a pipeline that mirrored Gitlab.
 - **4x AWS Certified:** Certified in Cloud Practitioner, Solutions Architect Assoc., Developer Assoc., ML Specialty
- **California Polytechnic State University** San Luis Obispo, CA
Research Assistant September 2023 - June 2024
 - **Research Assistant:** Developed CSB Deep model that sharpens microscopic images from sparse wide field images.*Hack4Impact Technical Lead* September 2021 - June 2023
 - **Veggie Rescue Team:** Managed a team of 5 developers to maintain and improve a progressive web-app for non-profit Veggie Rescue.
 - **Progressive Web App:** Redesigning database architecture to optimize data access speeds and scalability for user-centric applications; created admin login and finance spreadsheet page using Typescript and Tailwind CSS.
- **Cisco Systems, Inc.** San Jose, CA
High School Software Developer Intern June 2020 - August 2020
 - **In-Band Telemetry System:** Designed and implemented an in-band telemetry system—including server/client byte-stream IP packet handling and parsing—to extract and deliver IP packet data for Cisco's ML models.

PROJECTS

- **Elephant Seal Tracking:** Full stack web application to aid marine biologists in tracking and classifying elephant seals using Flask and Roboflow.
- **F1 Intelligent Racing:** Simulated cars optimally racing around a track using reinforcement learning and evolution.
- **Tulu Language Translation Support:** Creating a learning/translation application for spoken languages like 'Tulu'.
- **Personal Movie Recommender:** Collaborative filtering to recommend movies based on my watch history and movie script.