

Heet Shah

U.S. Citizen | hshah339@gatech.edu | (470)-304-5824 | heettshahh.com | github.com/hxxtsxxh

EDUCATION

Georgia Institute of Technology – B.S. in Computer Science (Cybersecurity & Intelligence) May 2026

EXPERIENCE

Software Engineering Intern, United Parcel Service (UPS) – Atlanta, GA June 2025 – August 2025

- Developed an end-to-end analytics product (.NET Core, GCP BigQuery/GCS) for autonomous SQL parsing, boosting operational visibility and failure detection by 60% across global scanning systems, advancing the Smart Package Smart Facility initiative.
- Enhanced proactive system monitoring, using Looker Studio dashboards and 7-day historical analysis for immediate corrective action on critical operations.
- Integrated Gemini to provide valuable insights of JSONified data, utilizing Google Cloud Run to periodically iterate through data and produce logs

Software Engineering Intern, iVue – Atlanta, GA December 2023 – June 2024

- Advanced drone network infrastructure to monitor and control devices around the world, resulting in 75% improvement in global operational efficiency while ensuring real-time data collection and device management
- Designed a central drone control website using Vue frontend and Python backend streamlining remote monitoring and operations

PROJECTS

EcoShip github.com/hxxtsxxh/EcoShip

- Architected a microservice-ready backend using Python FastAPI and Docker, applying SOLID principles to execute complex carbon emission algorithms (based on industry-standard metrics) across 15+ major shipping corridors with sub-100ms latency
- Pioneered React Native application integrating Gemini API for intelligent logistics support, implementing a proprietary eco-efficiency scoring algorithm that dynamically weighs cost-effectiveness (70%) against environmental impact (30%) to drive sustainable business choices for UPS

MedX devpost.com/software/medx-d7tle6

- Built a cross-platform mobile health application using React Native, integrating Gemini and OpenFDA APIs to facilitate an AI-driven drug interaction checker that parses complex medical data to provide real-time risk assessments and severity warnings
- Implemented a comprehensive medication management system featuring OCR/barcode scanning for automated prescription logging and Firebase for secure authentication and cloud storage, leveraging Generative AI to synthesize user logs into downloadable, personalized PDF medical reports

Trace AI devpost.com/software/trace-ai

- Constructed a full-stack choreography attribution tool using React, architecting a hybrid backend that utilizes MongoDB for scalable video metadata indexing and Firebase for secure user authentication and binary asset storage
- Embedded TensorFlow for pose estimation to analyze joint transformations in dance videos, optimizing frontend performance by utilizing the Intersection Observer API to manage model inference based on viewport visibility

CommuRide devpost.com/software/commuride

- Produced a geolocation-based carpooling platform using React Native and Google Maps API, implementing reverse geocoding algorithms to dynamically surface available drivers and optimize rider-driver matching based on proximity
- Generated a real-time data synchronization layer using Firebase, managing complex state changes for live seat availability, while securing user access through SMS multi-factor authentication

SKILLS

Programming & Tools: Python, JavaScript, Java, C, .NET, SQL, React, React Native, Bash, TensorFlow, Keras, GCP, Docker