

GAURAV V. GARRE

941.212.0688 • gauravgarre@gmail.com • linkedin.com/in/gauravgarre • github.com/gauravgarre

EDUCATION

Georgia Institute of Technology | Atlanta, GA

August 2020 – December 2023

Bachelor of Science in Computer Science, GPA 3.73

Dean's List

- Student Orgs: Data Science @ GT, GreyHat (Cybersecurity), GT Climbing Club, Outdoor Recreation @ GT
- Threads/Concentrations: Intelligence & Devices

EXPERIENCE

Amazon

May – August 2022, 2023

Software Development Engineer Intern

Seattle, WA

- Implemented new strategy widget in Java for personalized digital recommendations on Amazon homepage
- Launched on Amazon desktop homepage worldwide with estimated \$1 MM/yr GCCP impact
- Developed application in Java to derive insights and analytics about internal APIs
- Employed AWS Lambda and Glue to automate fetching and parsing of API metadata and fields into tables
- Leveraged AWS Athena for writing SQL queries against this parsed data to deliver results to user
- Wrote comprehensive unit tests with Mockito and configured TypeScript CDK to maintain AWS architecture

Georgia Tech VIP Program

August 2021 – Present

Student Researcher – Intelligent Digital Communications

Atlanta, GA

- Collaborate on researching and deploying IoT-based cognitive networks in a football stadium
- Drone team lead managing practice flights and signal recordings for unauthorized UAV localization task
- System and operations co-lead maintaining Laravel website and configuring radio frequency sensor nodes
- Coauthored a publication: "Cognitive Wireless Networks: Research, Applications, and Testbed." WF-IoT (2023)

PROJECTS

Pillzen | Python, Flask, Twilio, SQLite, Google Cloud Platform, AWS

January 2022

HackDavis, UC Davis

- Built a web app that allows users to manage their medication cycle through SMS notifications
- Set up the Python Flask backend for the Twilio SMS implementation and image-text extrapolation
- Worked with the Google Cloud Vision API to parse images of prescription labels into reminder objects
- Configured an AWS Ubuntu EC2 instance to host the Flask app for the front-end to make POST calls

iHeard | Python, Flask, Google Cloud Platform, AWS

January 2021

New Year New Hack, Major League Hacking

- Created an on-the-go web app for the hard of hearing; includes ambient noise and speech-to-text functionality
- Focused on the Python Flask implementation to interface with an ambient noise ML model
- Utilized the Google Cloud Services Speech-to-Text API to convert audio samples to text

AWARDS

Best Global Hack – UC Davis, HackDavis - 2022

Most Creative Use of Twilio – University of Missouri, TigerHacks - 2021

SKILLS

Languages: Python, Java, Kotlin, LC-3 Assembly, C, HTML, CSS

Certifications: SolidWorks (CSWA), Adobe Illustrator, Photoshop, Premiere, InDesign, Animate (ACA)

Technologies: IntelliJ, PyCharm, Android Studio, Arduino, Git

Instrumentation: 3D Printer, CNC Plasma Cutter, Laser Cutter, MIG Welder

Relevant Coursework: Systems and Networks, Computer Networking, Robotics and Perception, Machine Learning, Prototyping Intelligent Devices, Natural Language Processing, Computer Vision, Database Systems