HARSHIL SHAH

Atlanta, Georgia 30308 • 762.436.2848 • hshah88@gatech.edu • linkedin.com/in/harshilshah4251 • harshilshah4251.github.io
U.S. Permanent Resident

EDUCATION

GEORGIA INSTITUTE OF TECHNOLOGY, College of Computing   Atlanta, Georgia
Bachelor of Science in Computer Science   *Dec, 2020*
- Threads: Modeling & Simulation and Devices.   GPA : 4.00
- Zell Miller Scholarship, Indian-American Scholarship Fund, four-year scholarship recipient

EXPERIENCE

CAPITAL ONE   McLean, Virginia
Software Engineering Intern   *May, 2019 – Present*
- Developed dockerized Spring Boot backend architecture in Java for real-time funds scheduling system for check deposits.
- Designed a mock customer database in Spring Boot JPA and wrote REST endpoints to allow CRUD operations.
- Added enhancements to the Capital One's iOS app and linking them to the funds scheduling API and the customer database.

GEORGIA INSTITUTE OF TECHNOLOGY   Atlanta, Georgia
Embedded Pervasive Lab   *Aug, 2018 - Present*
- Pursuing Research Option and developing a system of smart camera surveillance to predict vehicle trajectories "on the edge" of the network to avoid latency caused by exchanging information with the cloud.
- Implemented automatic static camera topology reorganization, forward propagation of information, and pub-sub camera communication policy using NetworkX and ZeroMQ Python libraries.
- Presented my research work at the Undergraduate Research Symposium, Georgia Tech.

MANHATTAN ASSOCIATES   Atlanta, Georgia
Software Engineering Intern   *May, 2018 – Aug, 2018*
- Developed a regression analysis tool, K9, to investigate regression issues and generate codebase impact reports.
- Implemented a Python script to synchronize the untracked issues between JIRA and BitBucket Issue Tracker Service.
- Wrote JUnit component test cases and achieved 100% test coverage of the Appeasement repository.

IVAN ALLEN COLLEGE   Atlanta, Georgia
Full-Stack Web Developer   *Sept, 2017- Sept, 2018*
- Revamped the backend and frontend architecture of ShadowDay Management Site, Student Ambassador Site, and Admissions Data Site built in PHP by implementing new admin functionalities and interactive data visualizations.
- Designed and developed a custom email newsletter generator system using JavaScript and PHP to automatically generate HTML email newsletters on user input. Saved immense amount of people hours spent in creating HTML newsletters.
- Authored high-quality detailed documentations explaining complex system dependencies and routine processes.

PROJECTS

Offline Wallet (Android) : Offline money transfer using bluetooth to financially empower people in low-resource areas.
Git Backup (Bash, Python) : Automatic backup system to intelligently organize and save computer data in Github repository.
Real-time translator (Python) : Real-time translation service over phone call to eliminate the language barrier.
Bitcoin POC (Node JS) : Followed Udemy tutorial to create a mock Blockchain network to understand its functionality.
Space Wreck (Android) : Developed Android space shooter game with rating of 4.9 on Google Play Store.

LEADERSHIP

GT CRICKET CLUB   Atlanta, Georgia
Vice-President   *Jan, 2018 – Jan, 2019*
- Organized weekly practices, raised money through sponsorships, and expanded social-media outreach.

EMERGING LEADERS   Atlanta, Georgia
Team Member   *Aug, 2017 – May, 2018*
- Organized Uplift GT with a turnout of about 300 college students to fight mental health stigmas on campus.

SKILLS/INTERESTS

Programming **:** Java, Python, JavaScript, MySQL, HTML/CSS, Android, iOS, Spring Boot, PHP, MongoDB, Alexa, Docker
Platforms   **:** GitHub, Bitbucket, Visual Studio, Amazon Web Services (AWS), Heroku, Linux, Drupal
Languages   **:** English - bilingual, Gujarati – fluent, Hindi – fluent
Udemy   **:** Blockchain, Machine Learning, Deep Learning, Data Science, MySQL, Web Development