

Suzal Regmi

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EDUCATION

Georgia State University | Atlanta, GA

Expected - May 2025

Bachelor of Science in Computer Science

GPA: 4.0

EXPERIENCE

Georgia State University

Sep. 2022 – Present

Department Technology Assistant

Atlanta, GA

- Transferred 150GB of research data securely from an FTP server in Japan using a Linux system with Shorewall to block unauthorized access; detected and prevented two attempted intrusions
- Developed a Python tool that reads and stores serial numbers and information of hard drives ready to be surplus resulting in about 300% increase in time efficiency compared to the manual approach
- Support 3 computer labs; set up and image systems to support 50+ graduate students and 20 faculty/staff
- Manage virtualized environments, including Linux, VMware, and Microsoft Windows Server in university machines

HACKATHONS

Transitify - **UGAHacks** | *Flutter, Dart, Android Studio, REST APIs*

Feb. 2023

- Created an Android app in Flutter that helps users find faster and more convenient ways of getting around while promoting green energy
- Implemented features such as route planning, real-time tracking, and integration with public transportation schedules using APIs from Google Maps and MARTA
- Optimized the app for low-latency and high-availability, ensuring a smooth experience for users

LeadLess - **Hacklytics** | *Python (Mathplotlib, Pandas, Folium, Geopy)*

Feb. 2023

- Collected various datasets and performed data analysis and data visualization on metrics related to lead emissions and health
- Built a website to increase awareness about the harmful effects of lead and the risks associated with lead poisoning

UniHome - **HackATL** | *HTML, CSS, PHP, MySQL*

Nov. 2022

- Assembled a business prototype about student apartment subleasing in 48 hours and pitched it to judges, angel investors, and venture capitalists
- Executed end to end design using Figma, HTML/CSS and PHP/MySQL, which also implemented the k-Nearest Neighbours Algorithm for roommate matching

PROJECTS

dotFiles | *Bash, Lua*

Jan. 2023

- Wrote, edited, and configured Linux dot files, establishing proficiency in Bash for increased productivity and Lua for customizing the Awesome Window Manager
- Demonstrated ability to improve system efficiency and personalize user interface through the use of dotfile configuration in a Linux environment

GameHub | *Python (Tkinter, Pygame), Bash*

Oct. 2022

- Recreated the world's first ever video game, 'Pong', using the Tkinter library and implemented a function where users can save the local high score on their machines
- Replicated Google's version of TicTacToe using the Pygame library and built a game-hub featuring both the games

Twitter Bot | *Python (Requests), REST APIs, JSON, Linux*

Sep. 2022

- The final project for Harvard's Introduction to Programming with Python
- Created a Python bot that scrapes the Astronomy Picture of the Day using NASA's APOD API and posts them to Twitter using the requests library
- Automated the bot to post every new Astronomy Picture of the Day using a Linux server

SKILLS

Programming Languages: Python, Bash, Lua, HTML, CSS, JavaScript, Dart

Developer Tools: Flutter, REST APIs, JSON, VirtualBox, Android Studio, Git, Linux, Alacritty, Vim

Libraries: Flask, NumPy, Mathplotlib, Pandas