

Samyak Piya

samyakpiya@gmail.com | (859) 285-5201 | 545 South Broadway, 40508 | [linkedin.com/in/samyakpiya](https://www.linkedin.com/in/samyakpiya) | github.com/piyasamyak

Education

Bachelor of Science, Major in Computer Science, Minor in Business
University of Kentucky

Aug 2020 – Present
GPA: **3.93**

Skills

Languages and Frameworks: Java, C, C++, Python, SQL, HTML, CSS, JavaScript.

Developer Tools: Git, UNIX, Linux, Github, VS Code, Slack.

Professional Experience

ITS Technical Assistant, UK Information Technology Services

Mar 2021 – Present

Responsible for supporting UKITS customers by resolving technical issues, paging, acting as after-hours UK HealthCare and Campus Switchboard operator, and directing calls in a critical 24x7 role.

- Handled 9,128 calls and 310 IT chats from UKITS customers (UK Students, Faculty, and Staff)
- Resolved 710+ IT Service Requests, Incidents, QEMLs, and Paging tickets

International Student Ambassador, UK International Center

Aug 2020 – Present

Selected for the International Student Ambassador position from over 500 applicants.

- Lead the ISA Website Task Force team to create an online portal where prospective international students can find information about UK's ISA Program
- Organized social events, game nights, and meetings to foster ambassador interactions
- Interviewed prospective ambassadors for recruitment to the ISA Program at UK

Class Projects

CS 315, Algorithm Design: Graphs (<https://bit.ly/39KdmOI>)

- Implemented three graph algorithms to map Romanian cities: Breadth First Search (using Adjacency Lists and Python Dictionaries) to print all the edges of a vertex and the shortest path from city 's' to another city 'v' for unweighted graphs, Dijkstra's Algorithm (using min priority queue) to print the shortest path considering edge weights, and Prim's Algorithm for edges that have negative weights.

CS 270, Systems Programming: Thread-safe Abstractions (<https://bit.ly/3M5mdZh>)

- Implemented thread synchronization using pthreads library (thread creation, mutex locks, semaphores) and dynamic memory allocation (malloc/calloc). Created a thread-safe, unbounded priority queue and built a thread pool using the priority queue implementation to divide given tasks among concurrently running threads in the thread pool.

Personal Projects

Password Manager (<https://bit.ly/3N9jL4h>): Built a Password Manager GUI App with Tkinter that generates secure password for different websites and saves it to a file.

Websites (<https://bit.ly/3l00Uwi>): Created responsive websites using semantic HTML, CSS Grids, jQuery, media queries and SASS.