Salu Poudel

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Education

University of Texas at Arlington December 2024
Bachelor of Science in Computer Science

Relevant Coursework: *Algorithms & Data Structures, Computer Organization & Assembly Language, Object-Orientated-Programming, Discrete Structures, Intro to Software, Operating Systems, Databases*

Technical Skills

Programming Languages: Java, C/C++, Python, HTML
Software & Tools: JUnit, GitHub/Bitbucket, Virtual Machine, MATLAB, Jira

Projects

Chat Box (C)
- Developed a chat box using the C programming language within a terminal environment, enabling a single computer to function as both a client and a server through appropriate configuration.
- Implemented client-server communication, enabling clients to initiate conversations with the server. The server responds similarly to customer service chat boxes used by companies.

Dictionary (C)
- Designed a dictionary-like application using a hashing algorithm to execute efficient search operations on a list of items, responding to user input with relevant information.
- Optimized code performance by employing separate chaining, a technique that utilizes linked lists instead of open addressing, resulting in faster and more precise search results.

Pencil dispenser (Java)
- Built a Java program that simulates a vending machine for pencils, operating like a real-life machine by dispensing random color pencils upon the insertion of the correct amount of change.
- Implemented inventory tracking and change calculation features, ensuring accurate stock levels are maintained and customers receive correct change.

Guessing Game (Java)
- Developed a secure login system requiring users to input a specific password for subsequent page access.
- Enhanced program security and functionality by incorporating a random picture generation on the subsequent page. Users must provide the correct answer to proceed.
- Utilized various Java libraries, including JFrame, JOptionPane, JActionListener, JTextField, and SwingConstants, to achieve optimal program performance and user experience.

Work/Volunteer History

Amazon, FC-associate - Irving, TX January 2022 - July 2022
- Efficiently and accurately processed and fulfilled customer orders for distribution, ensuring timely delivery and customer satisfaction.
- Collaborated with managers daily to optimize work activities, drive productivity, and attain operational goals.

Shree Krishna Pranami Temple, Volunteer - Hurst, Texas January 2018 - Present
- Assisted in the setup and management of large-scale events with over 100 attendees, serving food and beverages to guests, and providing a warm welcome to all attendees.
- Supervised younger children and provided attentive care to ensure their safety and well-being during the event.
- Handled minor tasks and responsibilities to ensure the smooth execution of the event.

Organizations

ACM - Association for Computing Machinery   SASE - Society of Asian Scientists and Engineers