

# Salu Poudel

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Website- [salupoudel.github.io/website.github.io/](https://salupoudel.github.io/website.github.io/)

## Education

### Bachelor of Science in Computer Science

December 2024

University of Texas at Arlington

GPA – 3.32

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

## Skills

### Programming Languages:

Java, Python, HTML, CSS, C/C++, SQL

### Software & Tools:

JUnit, GitHub/Bitbucket, Virtual Machine, MATLAB, Jira

## Projects

### Personal Website (HTML, CSS)

- Created a website to showcase personal information, including features like hyperlinks to LinkedIn, GitHub, and a downloadable PDF version of the resume.
- Developed the website using HTML and continuously updating it as new features are identified and incorporated. Hyperlink to the website is located at the top of the resume.

### Shell (C)

- Developed a command-line shell, "Mav Shell (msh)," influenced from widely recognized shells such as Bourne Shell (bash), C-Shell (csh), and Korn Shell (ksh).
- Engineered the shell for effective command input management, streamlined forking of child processes during command execution, and ensured uninterrupted operation comparable to csh and bash until terminated by the user.

### 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.

### Chat Box (C)

- Implemented 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.

## Work History

### Amazon, FC-associate - Irving, TX

January 2022 - July 2022

- Efficiently and accurately processed and fulfilled customer orders for distribution, leading to timely deliveries and achieving a high rate of customer satisfaction.
- Collaborated daily with managers to optimize work activities, driving both individual and team productivity to meet and often surpass operational goals.

## Organizations

• ACM - Association for Computing Machinery

• SASE - Society of Asian Scientists and Engineers