

TUSHIN KULSHRESHTHA

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EDUCATION

Bachelor of Science, Computer Science

2021 - Present

San Francisco State University, San Francisco, California

TECHNICAL SKILLS

Strategy, Leadership, Planning, Python, SQL, Java, Java Script, CSS, HTML, C, C++, Excel, MATLAB, Database Entry, Team Collaboration, NodeJS, MS Office, Linux Terminal, Data Structures, Web Development.

AWARDS & RECOGNITION

- **GMIS Hackathon** – Secured 5th position among 60 other teams in a cybersecurity hackathon and received special category in Forensics for Memory Dump Analysis, Network Analysis using Volatility Tool, and using steganography decrypted messages.

WORK EXPERIENCE

Website Manager, Delhi Public School, Gwalior, India

2017 – 2018

- Used different web resources to make the website more interactive and user friendly, improved website's code to support HTML5, CSS, JavaScript, and MySQL to make it more accessible.

Internship, Renaissance Education, Gwalior, India

May 2021-June 2021

- Managed and assisted official records and digital data including new and current clients and their data in MS Excel Sheets.
- Created visualizations, reports based on the client. Also, performed data operations such adding and removing data.

PERSONAL PROJECTS

Text to Speech

- Developed Text to Speech application using python's pyttsx3 library and created a basic GUI using tkinter library.
- Applied the basic knowledge of Python and its corresponding libraries for the project.

YouTube Video to Mp3

- Used Python with pytube library and used OS resources in python to convert the file from mp4 to mp3.

The Wimp Game

- Decision dependent text-based adventure game in vanilla python and used ASCII arts for game visuals.
- Implemented using python functions such as, loops and function calling.

Messaging Client using Java

- Made a messaging client using the basic knowledge of Object-Oriented Programming in java as a school project.
- Used concepts like Polymorphism, Inheritance, Abstraction, and Encapsulation.
- Worked around several multiple java files and java classes.

ConnectX

- Terminal Messaging client in a secured local connection which filters out IP's other than specified IP addresses.
- Made a private messaging client for specified users in java using IntelliJ IDE. Also used telnet to connect to the secured server.
- Made use of Java's Socket library and its basic functions

Speech To Text

- Created a basic speech to text application using python's pyttsx3 and speech recognition library.

Portfolio Website

- Created a portfolio website using HTML5, CSS3, JavaScript, NodeJS.
- Made website more accessible using HTML5's new and specific tags.

CERTIFICATIONS

- **JP Morgan Software Engineering Virtual Experience** | Forage
- **VISA Token Service Technology Virtual Experience Program** | Forage