

# SANTOSH THAKUR

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## EDUCATION

- ❖ B.Tech in Information technology | University Of Information, Communication & Technology (USICT) 2023-2027
- ❖ XII (CBSE) | Banyan Tree School CBSE GRADE: A2 | 23/07/2022

## SKILLS

- ❖ Programming Languages: **PYTHON** (Proficient) , **C** , **C++** , **JAVASCRIPT**, **CSS**, **HTML**
- ❖ Other Technologies : **MySQL** (Proficient), **Tkinter**, **API**, **C++ DSA**, **OOPs in C++**

## PROJECT

- ❖ Library Management System:
  - Developed a Library Management System in 12th grade (in year 2022) using **Python** and **MySQL**, incorporating custom login and password functionalities and leveraging YouTube tutorials for additional features and functionalities.
- ❖ Library Records Management (For Administration Work) :
  - **Designed, developed, and implemented a Tkinter-based (python library-GUI) Library Management System using Python** for the **frontend** and **MySQL** for the **backend** by my own understanding and knowledge in first semester of my **B.tech** Grad in 2023 , tailored for **administrative** use in institutions. The system manages **user authentication**, **resource inventory**, and tracks **book issues and submissions** with **integrated CRUD operations**. **Technologies** include **Tkinter**, **MySQL Connector for Python**, and the ``datetime`` module , providing a **comprehensive solution** for user interface and **data management in administrative environments** .(This is the updated version of my 12<sup>th</sup> grad library management system project)
- ❖ My Portfolio(Personal):
  - Designed and **developed** a professional **portfolio** using **HTML**, **CSS**, and **JavaScript**, showcasing advanced **web development** skills and a keen eye for modern design principles. The portfolio effectively demonstrates proficiency in creating **responsive and interactive web experiences**, tailored to highlight **technical expertise** and project accomplishments.
- ❖ SpeakingAI(Artificial Intelligence):
  - Developed an automated **text-to-speech** converter using **Python**, leveraging the ``gTTS`` (**Google Text-to-Speech**) library. The application reads input text from a file and generates **high-quality audio output**, allowing users to **save it with a specified filename**. Technologies used include **Python** and ``gTTS``, demonstrating proficiency in integrating **external APIs** for practical **applications** and **enhancing user accessibility through audio content**.

## EXPERIENCE

- ❖ **MEMBER OF USS ACM ICPC CLUB 3.0 | USICT** SINCE 23/01/2024
- ❖ **MEMBER OF ROBOTICS CLUB | USICT** SINCE 17/12/2024
- ❖ **NATIONAL CADET CORPS (MY REG.NO. DL23SDA697243) | USICT** SINCE 07/12/2023
- ❖ Participated in numerous inter-college hackathons and actively preparing for major programming competitions, demonstrating strong problem-solving skills and a commitment to competitive programming excellence.

## HOBBIES

- ❖ I have great interest in **athletics** and I also used to participate and win medals and prizes in school. I do exercise and hit gym everyday.
- ❖ Passionate about **painting**, I have created a landscape **wall mural** for my and my parents' bedroom, symbolizing **calmness**. This reflects my **dedication to art**, which I pursue during my **free time**.