



SHWETHA S

3rd year

MSc Theoretical Computer Science

My Contact

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Core Skill

- Programming languages :
C, C++, Python, Java, SQL, HTML, CSS
- Libraries:
NumPy, SciPy, Matplotlib, PIL
- Tools/Platforms :
GitHub, LinkedIn, Hackerrank
- Database : Oracle, MySQL
- Adobe Photoshop and Adobe Illustrator

Soft Skill

- Good communication
- Team work
- Flexible
- Detail-oriented

Education

2021 - Present	MSc Theoretical Computer Science (5 year integrated course) PSG College of Technology
2021	Higher Secondary (Math, Physics, Chemistry, Computer Science) Suguna PIP School
2019	Secondary Suguna PIP School

Languages

- Tamil
- Telugu
- English

Project Experience

• Custom Shell Creation

4th semester OS project

Objective:

To provide a functional and user-friendly shell that can perform basic tasks suited to user's needs in addition to implementing basic linux commands.

Language used: C

Tool used: Linux putty terminal, Oracle VM VirtualBox

Role: Create functions for various commands

• Trip Planner

5th semester Java project

Objective: To create a language learning platform where users can login to search for locations and add packages to their cart based on user's preferences.

Language used: SQL, Java

Tool used: IntelliJ IDEA, MySQL Workbench

Role: developer

• Fault Section Location Detection in Distributed networks

5th semester Design and Analysis of algorithms project

Objective:

This project finds a fault section location method for distribution networks, overcoming limitations of traditional approaches.

Utilizing a divide-and-conquer strategy, the method establishes a causal link between fault information and faulty devices.

Language used: C++

Tool used: CodeBlocks

Role: Programmer

• Health Assist Program

About:

This is a Python tkinter program which analyzes blood test data and provides feedback on the user's health based on glucose, cholesterol and other factors. It provides diet recommendations to the user and suggests consulting the doctor in extreme cases. It is useful when the user does not have access to a clinic.

Language used: Python

Tool used: Anaconda Navigator, Spyder

Role: Programmer

Extra-curricular Activities and Achievements

- **Won Consolation prize in "Queen of Codes"** 2023, conducted by the Coding Club, PSG College of Technology.
- Advanced to college level finals in Caterpillar Code-a-thon (2023).
- **Conducted a coding event**, "Game of Codes", on behalf of the Coding Club, PSG College of Technology and took part in question curation.
- **Silver medalist** in the **Mini-Marathon** (2023) conducted by the Physical Education department of PSGCT.
- **Diploma in Bharatnatyam** issued by the **Tamil Nadu Music and Fine Arts University** in 2018 and **Post Diploma in Bharatnatyam** by the **Kala Sagar Samithi** in 2019.