

# VERAPPAN SM

+91 9499025471 / verappan.sm2022@vitstudent.ac.in / [www.linkedin.com/in/verappansm/](https://www.linkedin.com/in/verappansm/)

## EDUCATION

### Vellore Institute of Technology, Chennai

Bachelors of Technology in Computer Science

Sep 2022- present

**CGPA - 9.28**

### Chettinad Vidyashram, Chennai, Tamil Nadu

Aug 2022

Central Board of Secondary Education, Class 12

**Grade: 98.2%**

### Chettinad Vidyashram Chennai, Tamil Nadu

April 2020

Central Board of Secondary Education, Class 10

**Grade: 98.2%**

## PROJECTS

### Sorting algorithm visualizer / HTML, CSS, JAVASCRIPT

Jan 2024 – Jan 2024

- Built a sorting algorithm visualizer to have a better understanding about all DSA algorithms.
- Additionally implemented a new algorithm created by professors of Lovely university called “Bi-directional merge sort” and hence proved the efficiency of their paper.
- Made the page interactive and provided different datasets for the users.

### Employee database management system / Python, MySQL, tkinter package

Aug 2021 – Oct 2021

- Designed an entire database management system with my team using python and MySQL by leveraging sql connector.
- Made the frontend interactive with tkinter package tools where the users could delete, add, update and search for records.
- Ensure a minimal level of authentication by letting the users enter the password for connection to database and login.

### Playing piano / HTML, CSS, JAVASCRIPT

Mar 2024 – Mar 2024

- Developed a playing piano and learnt a lot of CSS in the process.
- Changed the JavaScript code to achieve efficiency by reducing lag in hearing notes.

### Password generator / Django, Python

Apr 2024-Apr 2024

- Developed a password generator as a part of a hands-on course.
- Leveraged PyQt to make the frontend more interesting.

## TECHNICAL SKILLS AND COURSEWORK

**Languages:** Python, C++, C, Java, HTML, CSS, JavaScript,

**Frameworks, Libraries and Developer Tools:** PySpark(basic), PowerBI, Tableau, Advanced Excel, VSCode, Numpy, Pandas, Matplotlib, Scikit-learn, Pthreads, Minitab, Pyautogui(basic), SAP ERP TOOL(basic).

**Coursework:** Object Oriented Programming, Data Structures & Algorithms, Operating Systems, Complex Variables, Probability and Statistics, Database management systems, Computer networks, Data Science (BSc - IIT MADRAS).

## EXPERIENCE

### Undergraduate Research Assistant / VIT Chennai

Mar 2023 – Present

- Currently collaborating with Dr. Prathiba, on a research project by conducting research and working on code development part.

### Data Analytics Team co-ordinator / VIBRANCE REGISTRATION, VIT Chennai

Feb 2024 – Mar 2024

- Worked on the development of a web extension to analyze the ProShow registration data.
- Provided technical support and development for the registration committee.

### Assistant School captain / Chettinad Vidyashram

Aug 2020 – Jun 2021

- Held the assistant school captain post in a school with over 9000+ students and acted as a bridge between students and the management.
- Organized several events to impact the student society in a positive manner.

### Marketing Overall Coordinator / QUBIT(TECHNOVIT), VIT CHENNAI

Aug 2023 – Sep 2023

- Handled over 70 events with a student footfall of over 800+ students.
- Worked on marketing, outreach, external college registration, merchandise sales, report preparation and venue allocation.

**Tester / *STIGMA solutions, CHENNAI***

**Jan 2023 – Feb 2023**

- Worked on an Amazon API to not display products with zero availability on searching.
- Ideated the part to help the users to efficiently enter keywords rather than browser node.

## **ACHIEVEMENTS**

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- Placed in top 100 of finance conquest conducted by FMS Delhi nationwide.
- Secured 97.3 percentile in JEE Mains.
- Hold the position of finance lead in Codechef, VIT Chennai.
- Hold the management co-lead position in Microsoft Innovations Club, VIT Chennai
- Hold the Marketing Overall Lead position in PlaceXp Club, VIT Chennai.
- Part of Admin department of 180 Degree Consulting Chapter of VIT Chennai.
- Won the best delegate in several Model United Nations like CVMUN and VITINTRAMUN.
- Secured the general Proficiency award(class topper) for 9 years and was felicitated with all-rounder award by my school.

