

# Aswini V

CSE Undergrad at VIT Chennai

Motivated Computer Science Engineering sophomore with a passion for technology and problem solving. Proficient in languages like C, C++, Python and Java. Eager to apply academic knowledge to real world projects and seeking opportunities to learn and grow in a dynamic environment.



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## EDUCATION

### B.Tech - Computer Science & Engineering VIT University Chennai

08/2023 - Present

Courses

- DSA
- Computer Networks
- Design and Analysis of Algorithms
- Cloud Computing
- Operating Systems
- Web Programming

## PERSONAL PROJECTS

### Care & Cure - Hospital Management System (12/2022 - 01/2023)

- Designed and developed a Hospital Management System using Python and MySQL during Senior Year at high school.
- **Tech Stack: Python and MySQL.**

### Peer to Peer File Sharing System (10/2024 - 11/2024)

- Designed a decentralized file-sharing system using C++ with features like overlay networks for peer discovery, chunk-based file transfer, and security mechanisms (encryption and integrity checks).
- **Tech Stack: C++, Sockets, Multithreading, Distributed Hash Table (DHT).**

### Traffic Light Simulation System (03/2024 - 04/2024)

- Developed a hardware-based traffic light control system using Arduino, LEDs, and wiring to simulate real-world traffic signal operations. Implemented functionality for sequential light transitions with timing delays and ensured synchronized control for four traffic lanes.
- **Tech Stack: Arduino, C/C++, Electronics (LEDs, Wiring).**

## VOLUNTEER EXPERIENCE

### Creative Dept Member CULTURE IT - VIT University

03/2024 - Present

Achievements/Tasks

- **Designed creative festival posters** using Canva for college club events.
- **Coordinated and promoted events**, leveraging interpersonal and networking skills.
- **Managed tasks effectively under critical deadlines**, demonstrating time management, prioritization, and resilience in high-pressure situations.

## SKILLS

Python

Java

C C++

Matlab

MySQL

Canva

Technical Writing

Adaptability

HTML

CSS

## ACHIEVEMENTS

100% in Mathematics

*Achieved a perfect score of 100/100 in Mathematics in 10th grade*

Essay Writing Winner

*Consistently secured first place in multiple interschool English essay writing competitions, demonstrating strong writing, analytical, and creative skills.*

## CERTIFICATES

Advanced Python

<https://www.linkedin.com/learning/certificates/358a2159f08cb015fde8b9be2bc8880278ef09ce200eac1488b4b387d7627462>

Generative AI

<https://www.mygreatlearning.com/certificate/VWZKZXWD>

Spoken Tutorial IIT Bombay (C C++ Python)

[https://drive.google.com/drive/folders/1eYnJWvWP0Q2A\\_kP7GwVNarTgxlJ8-gT?usp=sharing](https://drive.google.com/drive/folders/1eYnJWvWP0Q2A_kP7GwVNarTgxlJ8-gT?usp=sharing)

## LANGUAGES

English

*Full Professional Proficiency*

Tamil

*Full Professional Proficiency*

Telugu

*Limited Working Proficiency*

Hindi

*Limited Working Proficiency*

## INTERESTS

Photography

Sketching

Learning Languages

Travel