



# SUDHANSHU KUMAR SINGH

STUDENT

## CONTACT

- +91-7380588232
- sudhanshusingh8232@gmail.com
- www.linkedin.com/in/sudhanshusingh8232

## SKILLS

- Project Management
- Problem Solving
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking
- Digital Marketing

## LANGUAGES

- English (Fluent)
- Hindi (Fluent)
- French (Basic)

## PROGRAMMING

- C/C++
- Java
- Python
- Web Development  
(HTML,CSS,Javascript)
- Arduino ESP
- UI/UX design(Figma)

## PROFILE

Highly motivated 2nd-year B.Tech CSE (AI/Robotics) student at VIT Chennai with a strong academic record (CGPA 8.95). Skilled in problem-solving, programming, and project development with hands-on experience in building practical applications. Passionate about technology, AI, and embedded systems, with a keen interest in applying theoretical knowledge to real-world solutions. Strong teamwork, leadership, and communication skills, with proven ability to manage academic and project deadlines effectively.

## PROJECTS

### Cache Simulator

- Developed a cache simulator to analyze cache hits, misses, and memory access efficiency.
- Implemented cache mapping and replacement policies to evaluate system performance.
- Tested and documented results to demonstrate understanding of memory hierarchy concepts

### Interrupt-Driven Smart Light System

- Built an Arduino Uno-based system using PIR sensors to demonstrate interrupt-driven I/O.
- Compared polling vs interrupts to show efficiency in real-world applications.
- Enhanced system responsiveness and reduced power consumption.

## EXPERIENCE

### Member of Microsoft Innovations Club VITC

- Leading member in Design Department.
- Handling Marketing, on-day event management and operations.
- Responsible for all marketing campaigns.

## EDUCATION

<b>Bachelor Of Technology (CSE with AI&amp;Robotics)</b> Vellore Institute Of Technology, Chennai <b>CGPA: 8.95</b>	2024-2028
<b>CBSE 12<sup>th</sup> Boards</b> Suryabadan Vidyapeeth , Ballia ,UP. <b>Percentage: 88%</b>	2021-- 2023