

SAMARTH SRIVASTAVA

Lucknow U.P.

+91 8174 845 087 | 04samarthsrivastava@gmail.com | linkedin.com/in/404samarth | github.com/404samarth

Education

Chandigarh University

Jul 2025 – 2029

Bachelor of Engineering in Computer Science

Mohali, Punjab

Relevant Coursework

- Data Structures & Algorithm
- Object-Oriented Programming
- Artificial Intelligence
- Programming in C/C++
- Web Development
- Database Management System
- Software Engineering
- Computer Architecture

Projects

Smart Home Security Alarm System | C/C++, Arduino IDE, Embedded System

Nov, 2025

GitHub: github.com/404samarth/Smart-Home-Security-Alarm-System

- Designed and developed a smart home security system to enhance residential safety using sensor-based detection mechanisms.
- Implemented the system by utilizing core Computer Science concepts such as conditional logic, control flow, and modular design to ensure efficient handling of input signals and alarm activation.
- Applied fundamental knowledge of Data Structures and Algorithms (DSA) and Object-Oriented Programming (OOP) principles to organize system functionality and improve code structure, readability, and scalability.
- Integrated hardware components with software logic, demonstrating an understanding of system design, input-output processing, and real-world application of computing concepts beyond theoretical learning.

Smart Assistive Spectacles for the Visually Impaired | C/C++, Arduino IDE, Embedded System

Oct, 2025

GitHub: github.com/404samarth/Smart-Assistive-Spectacles-for-the-Visually-Impaired

- Designed and developed an assistive technology solution aimed at helping visually impaired individuals navigate their surroundings safely by detecting obstacles and providing real-time feedback using sensor-based inputs.
- Implemented core programming logic and control flow mechanisms to process input data from sensors and generate appropriate responses, demonstrating practical application of problem-solving and computational thinking.
- Integrated hardware components with software processing, showcasing an understanding of system design, input-output handling, and real-world application of computing concepts in embedded and assistive systems.

Technical Skills

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

Web: HTML, CSS

Tools: VS Code, Google Colab, GitHub, WordPress

Leadership / Extracurricular

Sci-Fi Innovation Club

Jan 2026 – Present

Core Team Member

Chandigarh University

- Contributed to the design domain by creating and improving visual and conceptual elements for club projects and initiatives.

- Collaborated with cross-functional teams to support innovation-driven activities, events, and technical projects.
- Assisted in ideation and design planning, enhancing creativity, teamwork, and problem-solving skills.

Certification & Awards

What Is Generative AI?

September, 2025

LinkedIn Learning

- Gained understanding of generative AI concepts, applications, and real-world use cases.
- Explored fundamentals of artificial intelligence and modern AI technologies.

Programming Foundations with JavaScript, HTML & CSS

October, 2025

Duke University

- Built foundational knowledge of web development using HTML, CSS, and JavaScript.
- Applied programming concepts to create basic interactive web applications.

Foundation of Project Management

January, 2026

Google

- Developed understanding of project planning, task management, and workflow organization.
- Learned key concepts such as project lifecycle, scheduling, and team coordination.

PCB Innovatex: Powering the Hardware Revolution

February, 2026

Chandigarh University

- Gained hands-on experience in PCB design and hardware development concepts.
- Learned fundamentals of circuit design and real-world electronics applications.