

# Neeraj Suriya

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## EDUCATION

### Sathyabama Institute of Science and Technology

Bachelor of Engineering in Computer Science

Chennai, TN

Aug 2024 – May 2028

CGPA: 8.06

### Maharishi Vidya Mandir Senior Secondary School

12<sup>th</sup> Grade

Chetpet, Chennai, TN

2024

Percentage: 84%

### Maharishi Vidya Mandir Senior Secondary School

10<sup>th</sup> Grade

Chetpet, Chennai, TN

2022

Percentage: 89%

## TECHNICAL SKILLS

**Web Development:** HTML, CSS, JavaScript, Node.js, Express.js, MongoDB, Flask

**Programming Languages:** Python, C, R

**Database Management:** MySQL, MongoDB

**Version Control:** Git, Github

## PROJECTS

### FocusFlow / HTML, CSS, JavaScript, WebRTC, WebSockets

March 2025

- Developed a real-time student engagement tracker that monitors student focus using WebRTC and face detection, helping teachers track engagement.
- Implemented a live student video feed positioned at the bottom-left corner, similar to Google Meet, ensuring a seamless classroom experience.
- Built a teacher dashboard with WebSockets-based real-time engagement alerts, displaying red marks when students lose focus for an extended period.
- Integrated WebSockets-powered chat for instant student-teacher communication, improving classroom interactions.
- Link: <https://github.com/NeerajSuriya/FocusFlow>

### CS50 Mail / Python (Flask), HTML, CSS, SQLite

December 2024

- Developed a web-based email client that enables users to send, receive, and archive emails efficiently.
- Implemented user authentication, inbox management, and email composition, ensuring a smooth user experience.
- Designed a clean, responsive UI for intuitive email navigation and interaction.
- Utilized Flask routes and SQLite database to handle email storage and retrieval seamlessly.
- Followed best practices in backend development and database management for performance optimization.
- Link: <https://github.com/NeerajSuriya/CS50-Mail>

## Certifications

**CS50X – Computer Science:** Harvard University, December 2024

**CS50P – Python Programming:** Harvard University, September 2024

## CO-CURRICULAR & ACHIEVEMENTS

**Hackathons:** Participant in Hacknight'25 (36-hour Hackathon by VIT Chennai)