



# SOUMYASISH SARKAR

Roll No.: CSB22054

Computer Science and Engineering  
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## EDUCATION

- Tezpur University, Assam** 2022 - 2026  
Bachelor of Technology, Computer Science and Engineering CGPA : 7.94
- Jawahar Navodaya Vidyalaya Kottayam, Kerala** 2019 - 2021  
CBSE Class XII, Science Percentage: 90%
- Jawahar Navodaya Vidyalaya North 24 Parganas, West Bengal** 2014 - 2019  
CBSE Class VI - Class X Percentage: 88%

## EXPERIENCE

- Pehchaan The Street School** Feb. 2025 - Apr. 2025  
Graphic Design Intern

## PROJECTS

- Build your own user-level file system**  
This project implements a minimal kernel-level file system and integrates it with a user-space web-based UI
  - This system allows project explores the design and development of a custom kernel-level file system that can be controlled via a user-friendly web-based interface.
- IoT-enabled OLED Display using Arduino Cloud**  
Developed a real-time text display system on an OLED screen using ESP32/NodeMCU and Arduino IoT Cloud for remote updates.
- Doraemon Rowing a Boat**  
Computer Graphics Project on Doraemon rowing a boat in 3D.
  - Technologies Used: C++ , OpenGL
- AutoLog**  
Chrome extension that automates the process of logging into a college (Tezpur University) internet portal.
  - Technologies Used: JavaScript, Chrome Extensions API, HTML, CSS, Manifest v3, DOM (Document Object Model) Manipulation
- e-Pedal**  
Electrical Bicycle Rental Service.
- Shortest Path Finder**  
Implementation Of Dijkstra Algorithm.
  - Technologies Used: HTML, CSS

## TECHNICAL SKILLS AND INTERESTS

**Programming Languages:** C , C++ , Python , 8086 Assembly Language

**Operating Systems:** Linux (Ubuntu), Windows

**Developer Tools:** VI Editor, Git, VS Code, CodeBlocks, Google Colab, Jupyter Notebook, MySQL (Database), TASM (8086 Assembler), SciLab, Canva, Excel, PowerPoint

**Concepts:** Data Structures and Algorithms, Object Oriented Programming, Operating System, Computer Architecture

**Languages:** **English:** Professional working proficiency

**Bengali:** Native or bilingual proficiency

**Hindi:** Professional working proficiency

## SOCIAL ENGAGEMENTS

- Design Team, Core Member** : Google Developer Groups. 2024 - Present
- Treasurer** : IRCS - Indian Red Cross Society. 2024 - Present
- Volunteer** : National Service Scheme. 2022 - 2024

## ACHIEVEMENTS

- GATE CS 2025 Qualified with GATE Score 374 and AIR 18041** Mar. 2025
- Top Performer, MeitY ISEA Project Phase III Bootcamp on SDN and IoT.** 10 feb. 2025 - 14 Feb. 2025
- Google Cloud Arcade Event - Champions Milestone** Jan. 2024 - Jul. 2024
- JNVST** Jawahar Navodaya Vidyalaya Selection Test 2014
- NDST** Navodaya Dakshana Selection Test 2019
- Scout Rajya Puraskar** 2018