

# SOUMILI BISWAS

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◇ [github.com/soumili-03](https://github.com/soumili-03)

## EDUCATION

### BTech in Computer Science and Engineering

2022-Present\*

Symbiosis Institute of Technology, Pune

CGPA: 8.1725\*

### Higher Secondary School

Calcutta Girls' High School, Kolkata, West Bengal

2008-2022

Class 12th (ISC): 92% Class 10th (ICSE): 95.6%

## SKILLS

### TECHNICAL SKILLS:

- Programming Languages: **C, C++, Java, Python\***
- Development Tools and Frameworks: **Apache NetBeans, Unity\*, Blender, Qt**
- Database Management: **MySQL**
- Miscellaneous: Git
- Operating System: Windows, Linux\*

### SOFT SKILLS:

- Teamwork
- Leadership
- Project management
- Communication
- Creative writing

## PROJECTS

### Sudoku Solver GUI

July 2024

Developed a Sudoku solver application using C++ and the Qt framework, implementing recursion and backtracking algorithms to solve Sudoku puzzles.

- Designed an interactive GUI with Qt Widgets, allowing users to input Sudoku puzzles and visualize the solving process.
- Implemented a step-by-step animation of the solving process by using QTimer for delays, creating a dynamic and educational visualization of the recursion process.
- Validated Sudoku boards to ensure correct initial configurations. **Tech Stack:** C++, Qt framework

### NGO Logs: A Database Management System and JAVA GUI Project

January 2024 – May 2024

Designed a user-friendly GUI to streamline NGO search processes, especially aiding service-learning students for efficient searching of their preferred NGOs. **Tech Stack:** JAVA, NetBeans, MySQL

### Headlines to Insights Global News Summarized:

February 2024 – May 2024

Developed a GUI for extracting text from newspapers, summarizing it, and translating it from English to Marathi, aimed at providing rural Indians with remote access to global news. **Tech Stack:** JAVA, Python, NetBeans

### Soil Moisture Detector:

October 2023

Created a soil moisture detector integrated with ThingSpeak software application, enabling farmers to remotely monitor soil moisture levels. **Tech Stack and hardware:** Arduino IDE, C++, NodeMCU.

## EXPERIENCE

### Technical Member of AR/VR club

August 2023-Present

- Held workshops on Blender and basics of AR/VR Technology.
- Designed a 3D virtual racing game with a team themed around the Computer Science Department for Tech Fest '23. The event saw great success, with over 128 participants in two days. **Tech Stack used:** Blender, Unity.

### Programming Community Member

March 2023–December 2023

Code-X Club SIT

### VR Developer intern at Guruji Air

May 2023- Sept 2023

Worked as a Virtual Reality intern at Guruji AIR, an educational startup company based in Pune where I was tasked with creating 3D models of their high-tech labs and deploying them using Oculus headsets.