SOUMILI BISWAS

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EDUCATION

BTech in Computer Science and Engineering   *2022-Present**
Symbiosis Institute of Technology, Pune, Maharashtra
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: **elementary knowledge*
• Programming Languages: **C++, C, Java, Python***
• Development Tools and Frameworks: **Apache NetBeans, Unity*, Blender, Qt***
• Database Management: **MySQL**
• Operating System: Windows, Linux*

SOFT SKILLS:
Teamwork, Leadership, Project management, Communication, Critical Thinking, Creative writing.

ACHIEVEMENTS:
• **Solved 145+ coding problems on LeetCode**, demonstrating strong problem-solving and critical thinking skills and proficiency in data structures and algorithms.
• **LeetCode 50 Days Badge**: Awarded for consistently solving problems for 50 consecutive days highlighting commitment to continuous learning and improvement.

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*
Developed a user-friendly GUI to aid service-learning students for efficient searching of their preferred NGOs.
- Implemented all CRUD operations and incorporated Object-Oriented Programming concepts in Java.
- Connected the application to a MySQL database to manage and retrieve data effectively. **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 (Sensors and Micro Controllers):   *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.