

SHIFALI FLORINE LOBO

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EDUCATION

Sahyadri College of Engineering and Management

Bachelor of Engineering in Computer Science

St Agnes College

Pre-University Course (PCM)

St Agnes School, CBSE

Class 10

June 2025 – Pursuing

CGPA: 9.72

2021 – 2022

Percentage: 98.1%

2019 – 2020

Percentage: 95.4%

PROJECTS

American Sign Language Translator

- Implemented using Machine Learning techniques including Convolutional Neural Networks (CNN) for spatial feature extraction and Long Short-Term Memory (LSTM) networks for temporal sequence modeling of hand gestures.
- Tools:* Python, CNN, LSTM

ThinkBoard – MERN Note-Taking Application

- Developed a full-stack note-taking web application using the MERN stack, enabling users to create, edit, and manage personal notes efficiently in a responsive interface.
- Implemented RESTful APIs for note CRUD operations and integrated MongoDB for persistent storage
- Tools:* MongoDB, Express.js, React.js, Node.js

Secure Law Enforcement and Government Record Keeping Using Blockchain

- Designed and implemented a blockchain-powered document storage architecture using Hyperledger Fabric to securely manage sensitive legal and governmental files in a decentralized environment.
- Integrated file chunking, symmetric encryption (AES), and cryptographic hashing (SHA-256) to split, protect, and validate document contents before storing.
- Tools:* Hyperledger Fabric, AES, SHA-256, Docker

TECHNICAL STRENGTHS

Languages: C, C++, Java, Python, HTML, CSS, JavaScript, SQL, PHP

Developer Tools: VS Code, Git, Postman, Docker

Technologies / Frameworks: MongoDB, Express.js, React, Node.js, Full Stack Development, Machine Learning, Data Structures and Algorithms

Soft Skills: Project Management, Leadership, Problem Solving, Creativity, Presentation Skills

CERTIFICATIONS

- Completed the **Blockchain** program via Infosys Springboard. Certificate issued on **May 12, 2025**. Verification available at: <https://verify.onwingspan.com>.
- Participated in a **DevOps Course** conducted by Technical Career Education from **March 27 – April 3, 2025**.

ACHIEVEMENTS

- Won **1st place in Survival** (Technical Coding Event) during the National Techno-Cultural Fest **Tiara-2022** organized by SJEC.
- 1st Place – Poster Presentation Competition**, Department of Computer Science, Sahyadri College of Engineering and Management (2024). Presented a project on *American Sign Language (ASL) Recognition System*.
- 1st Place – Research Symposium (Paper Presentation)**, Akriti 2025, Canara Engineering College. Awarded for presenting a research paper on ASL.