

# Sommayadeep Saha



**Date of birth:** 11-02-2006

**Nationality:** INDIA

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## Profile

B.Tech Computer Science (AI/ML) student at SRM University AP with strong foundations in software engineering, data structures, and full-stack development. Proficient in C, C++, Python, JavaScript, and modern web technologies, with hands-on experience building and deploying scalable applications, including blockchain-based and data-driven systems. Demonstrates strong analytical thinking, clean code practices, and well-documented project repositories on GitHub. Actively seeking internship opportunities to contribute to real-world software and AI solutions.

## Education

08/2024 – present  
Mangalagiri, India

### AI/ML | B.Tech SRM University, AP

B.Tech in Computer Science Engineering (Specialization: Artificial Intelligence & Machine Learning)  
SRM University AP, Amaravati  
CGPA: 8.7+ (till 4th Semester)

Focused on core computer science fundamentals including Data Structures & Algorithms, Object-Oriented Programming, Database Management Systems, Operating Systems, and Artificial Intelligence. Engaged in practical project development, applying theoretical concepts to real-world full-stack and AI-driven applications.

- Applied advanced machine learning algorithms in projects, improving prediction accuracy by up to 25% in real-world datasets
- Achieved distinction in courses like Deep Learning and Natural Language Processing, honing skills in Python, TensorFlow, and data analysis techniques.

## Projects

11/2025 – 11/2026  
Mangalagiri, India

### Developer Trilingo – Language Translation Web App

Engineered a multilingual translation platform supporting voice-enabled input and real-time language conversion. Designed to reduce communication barriers within campus environments using JavaScript-based API integration.

Link: <https://trilingo.netlify.app>

12/2025 – 12/2026  
Mangalagiri, India

### Developer AlgoViz – Interactive DSA Visualizer

Developed an interactive web platform to visualize Data Structures (Stack, Queue, Linked List) with real-time operations and complexity display. Focused on algorithm simulation, dynamic UI rendering, and conceptual clarity for DSA learning.

Link: <https://sommayadeep.github.io/AlgoViz-DSA-Simulator/>

12/2025 – 12/2026  
Mangalagiri, India

### Developer Student Management System

Designed and deployed a role-based full-stack web application to manage student records, attendance, and academic performance. Implemented secure authentication,

## Projects

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attendance analytics (75% eligibility logic), and structured database integration using Node.js and MongoDB/MySQL.

Link: <https://student-management-system-0tmt.onrender.com>

01/2026 – 01/2026  
Mangalagiri, India

### Developer

#### **CertiTrust – Decentralized Certificate Verification System**

Built a blockchain-based verification system using Solidity and Ethereum (Sepolia) to ensure tamper-proof certificate validation via SHA-256 hashing. Integrated MetaMask authentication and Web3 interactions using Ethers.js for decentralized verification workflows.

Link: certi-trust-gamma.vercel.app

01/2026 – 02/2026  
Mangalagiri, India

### Developer

#### **Mahendra Chandra & Sons eCommerce Platform**

Architected a full-stack eCommerce system with product management, cart functionality, order tracking, and admin dashboard. Implemented JWT-based authentication, REST APIs, and cloud deployment via Vercel and Render.

Link: mahendra-chandra-sons.vercel.app

## Social Media

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@sommayadeep



Sommayadeep

PREVIEW