

Aryaman Sarangi

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PROFILE SUMMARY

B.Tech Computer Science Engineering student specializing in Cloud Computing and Automation with a strong foundation in Java, Data Structures, and Object-Oriented Programming. Experienced in developing academic and personal projects involving frontend development using React.js, REST-based application flow, and API integration. Demonstrates strong problem-solving ability, clear understanding of core computer science fundamentals, and readiness to learn and adapt in enterprise-scale software environments.

TECHNICAL SKILLS

Programming Languages: Java , SQL

Web Technologies (Fundamentals): HTML, CSS, JavaScript; React.js

Core Computer Science: Data Structures & Algorithms; DBMS fundamentals; Operating Systems; Computer Networks; Object-Oriented Programming

Tools: Git, GitHub

EDUCATION

VIT Bhopal University

2022 – 2026

CGPA: 8.5

B.Tech in Computer Science Engineering (Cloud Computing and Automation)

Vikash The Concept School, Sambalpur

2021

Class XII (CBSE)

95%

Jawahar Navodaya Vidyalaya, Balangir

2019

Class X (CBSE)

92.0%

PROJECTS

TranscribeMate – Speech-to-Text Converter | *React.js, Browser Speech Recognition API*

- Designed and developed a responsive frontend application enabling real-time speech-to-text conversion with ~95% transcription accuracy
- Integrated browser-based Speech Recognition API to support continuous live transcription with latency under 1 second
- Built reusable UI components improving usability and reducing repeated code by approximately 30%
- Conducted cross-browser testing across Chrome, Edge, and Firefox, ensuring consistent performance for 100% core features

EduSpark – Learning Management System (Academic Project) | *React.js, REST-based application flow*

- Developed a role-based learning platform supporting 2 user roles (instructors and students) with structured course and progress management
- Implemented authentication flow and dashboard interfaces, reducing manual navigation steps by nearly 40%
- Enabled frontend-backend communication using REST APIs for dynamic data retrieval and updates
- Designed modular components and API-driven workflows, improving maintainability and scalability of the application

ACHIEVEMENTS

- Merit Certificate by CBSE for scoring 100 in Mathematics (Class X)
- Solved 100+ Data Structures and Algorithms problems on LeetCode
- Participated in Case Study Round of Arthneeti 4.0, organized by IIM Nagpur
- Participated in TATA Crucible Campus Quiz 2025
- Represented school in Regional Volleyball Tournament

ADDITIONAL DETAILS

Languages Known: English (Professional), Hindi (Fluent), Odia (Native)

Interests: Travel and cultural exploration; visited 8+ Indian states

Sports: Volleyball, Cricket