

Sai Aryan Sahoo

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EDUCATION

Vellore Institute of Technology - Bhopal

B. Tech. Computer Science and Engineering

CGPA: 8.14/10

July 2021 - July 2025

Vikash Residential School

CBSE - 12th Board

CGPA: 8.42/10

June 2020 - June 2021

Sunshine Mission School

ICSE - 10th Board

CGPA: 8.61/10

June 2018 - June 2019

TECHNICAL STRENGTHS

Computer Languages

Java, Python, JavaScript, SQL, HTML/CSS

Software & Tools

AWS, Docker, Kubernetes, CI/CD, Spring Boot, Golang, Jenkins, React.js

Shell Scripting, RESTful APIs, Git, MongoDB, MySQL, Terraform, Flutter

Skills

DSA with **OOPs**, Strong Understanding in DBMS, OS, Computer Networks

CERTIFICATIONS

AWS Cloud Practitioner - Amazon Web Services

January 21, 2024

Salesforce Developer Virtual Internship - Salesforce

May 23, 2023

PROJECTS

Cloud-Native URL Shortener — DevOps & Backend Engineering

- Built a high-performance URL shortener in Golang with REST APIs, JWT authentication, and Redis caching. Containerized with Docker for portability.
- Deployed Kubernetes on AWS **EKS**, automated infrastructure with Terraform and Helm, reducing provisioning time by 30%.
- Automated **CI/CD** with GitHub Actions & ArgoCD, reducing deployment failures by 95%. Integrated Prometheus, Grafana, and EFK for real-time monitoring and logging.

Movie Trailer Website Development & Deployment | Java & and DevOps

- Developed a responsive UI with React and a **Spring Boot** backend using MongoDB, improving backend performance and increasing user capacity by 50%.
- Designed and implemented **APIs** for seamless data exchange, user authentication, and efficient integration between the frontend and backend.
- Automated deployment using Docker, Kubernetes, AWS EKS, and CI/CD pipelines with GitHub Actions and ArgoCD. Configured Ingress for DNS mapping, reducing resolution time by 50%, and integrated Prometheus and Grafana for real-time monitoring.

Food Bridge | Full-Stack & Flutter

- Designed and developed FoodBridge, a web platform using HTML, CSS, JS (frontend), **Golang** (backend), and PostgreSQL (database) to connect restaurants with NGOs for surplus food donations.
- Implemented **JWT** authentication, REST APIs, Redis, and Axios for secure data handling, with Kubernetes and CI/CD automating 95% of deployments.
- Optimized performance, scalability, and accessibility, ensuring seamless user experience, with the FoodBridge mobile app also built using Flutter and Firebase.

EXTRA-CURRICULAR

Responsibilities:

- Odia Club — Core Member and Lead Finance Team* *April 2023 - May 2024*
Successfully managed events for 500+ attendees with a budget over Rs. 1 Lakh and executed Saraswati Puja with a Rs. 1.5 Lakh budget, engaging 300+ attendees and boosting cultural community involvement by 25%.
- Software Development Club — Core Member Technical Team* *February 2023 - April 2024*
Orchestrated a hackathon event that attracted over 300 university students and club members, fostering innovation and collaboration within the Software Development Club.

Languages: *Fluent in Hindi, English; Conversational Proficiency in Odia.*