

Sneha Sahu

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EDUCATION

Silicon University

B.Tech in Electrical and Electronics Engineering | **CGPA: 8.3/10.0**

Bhubaneswar, India

2023 – 2027

De Paul School

Class XII – ISC Board | **86.5%**

Berhampur, India

2022

St. Joseph's Convent School

Class X – ICSE Board | **92.4%**

Berhampur, India

2020

TECHNICAL SKILLS

Languages: Java, C, JavaScript, SQL, HTML, CSS

Backend & APIs: Spring Boot, REST APIs, CRUD Operations, Apache Kafka, Kafka Streams

Frontend: Angular, React, Next.js, Tailwind CSS, Framer Motion

Databases & testing: MySQL, PostgreSQL & JUnit, Unit Testing

Cloud & DevOps: AWS (EC2, S3, IAM, Lambda), Docker, Render, Netlify

Build Tools & Developer Tools: Git, GitHub, Postman, Eclipse, IntelliJ IDEA, VS Code, Swagger UI

Core CS Concepts: Data Structures & Algorithms, OOPs, Operating systems, Computer Networks

EXPERIENCE

Full Stack Developer Intern

June 2025 – August 2025

Industrial Training Program – IBM Expert via Silicon University

- Built full-stack apps using Angular, Spring Boot, and MySQL with RESTful API integration
- Implemented user management and CRUD modules in an Agile sprint-based team environment

Cloud Intern

July 2024 – August 2024

Ingenious-tech | AWS Masters Summer Internship

- Deployed EC2, S3, IAM, and Lambda on AWS to support cloud infrastructure workflows
- Applied IAM-based security policies and cost optimization strategies using resource monitoring

PROJECTS

FraudShield – Real-Time Fraud Detection System | Java, Spring Boot, Apache Kafka, Kafka Streams [GitHub](#)

- Built an event-driven microservices-based fraud detection pipeline system using Spring Boot and Kafka Streams; designed producer-consumer architecture to ingest, analyze, and route flagged transactions to a fraud-alerts topic in real time
- Implemented stateful detection rules for fraud detection - high-value thresholds, velocity checks via sliding window aggregations, and location anomaly detection, in a modular rule engine with JUnit-tested components

IGNITIA – IEEE Silicon Tech Fest Website | Next.js, React, Three.js, Tailwind CSS [Live](#) | [GitHub](#)

- Developed responsive landing page and reusable React components using Next.js App Router; followed component-driven architecture in a collaborative frontend team; deployed to production
- Integrated Three.js and @react-three/fiber for 3D rendering; implemented performant animations using Framer Motion and GSAP with Tailwind CSS utility-first styling

SmartBiz Ledger App | Angular, TypeScript

[GitHub](#)

- Engineered a role-based digital ledger application independently in Angular, implementing local authentication AuthService and Angular route guards to enforce access control on login.
- Built distinct Admin (full CRUD on customers/products) and Employee dashboards using modular Angular components, with service-based state management and Input/Output bindings across the interface.
- Scoped backend and database integration for persistent data storage as the planned next development phase.

CERTIFICATIONS

AWS Masters – Ingenious-tech (2024)

Full Stack with Spring Boot & Angular Industrial Training – IBM Expert via Silicon University (2025)

JP Morgan Software Engineering Job Simulation – Forage

Getting Started with Artificial Intelligence – IBM SkillsBuild