

Bibhuti Bhushan Sahu

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EDUCATION

NIST University, Odisha – B-Tech (Computer Science and Engineering)

2022 – 2026 | CGPA: 7.8 (till 6th Semester)

EXPERIENCE

Core Member – Cloud Computing Club, NIST University (July 2023 – Present)

- Organized hands-on workshops on Cloud Computing, enabling participants to learn by building projects during sessions.
- Contributed to the development of various cloud-based projects as part of the club's initiatives.

PROJECTS

Road Accident Alert System: IoT-based system using ESP8266, GPS, and AWS IoT Core to detect accidents and notify hospitals in real time.

Smart Door Lock: Face recognition with liveness detection, AWS integration, and website-based remote control.

AI Robot (LB1.0): Human-interactive robot using ESP32, AI chatbot integration, and real-time response system.

Voice-Controlled Smart Light: Alexa-enabled IoT project using ESP32 and AWS.

Web Stopwatch & Calculator: Responsive modern UI apps using React.js, Tailwind CSS, and JavaScript.

TECHNICAL SKILLS

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

Technologies/Frameworks: React.js

Database: MongoDB, MySQL

Cloud Deployment: Vercel, Render, Netlify, Cloudinary, **AWS**

Tools/Platforms: Git, GitHub, VS Code, Postman

Coursework: OOP, SQL, DBMS, Computer Networks, Operating Systems

Soft Skills: Self-Learning, Teamwork, Adaptability, Problem Solving, Leadership

CERTIFICATIONS & ACHIEVEMENTS

- Smart India Hackathon 2024: Selected as Team Leader
- Book Chapter Publication (2024): Evaluation of a novel biopolymer matrix: A sustainable biomass packing
- Research Contributor: Photon Exchange Membrane for Vanadium Redox Flow Battery (NMRL, NIST)
- PGDCA: Post Graduate Diploma in Computer Applications (Grade A)
- NPTEL Certification: Assembly Language Programming (2023)