

BIBHUTI BHUSAN SAHU

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Career Objective

Self-motivated and technically skilled B.Tech Computer Science Engineering student (6th Semester) with a strong foundation in programming, IoT, and machine learning. Proven leadership experience, research contributions, and hands-on development of real-world projects. Eager to contribute to dynamic tech teams in software development, IoT systems, or AI-based innovations.

Education

B.Tech – Computer Science and Engineering

NIST University, Odisha | 2022 – 2026

CGPA: 7.8 (Till 6th Semester)

12th – Science

Nalanda +2 Science College, CHSE | 2020 – 2022

Percentage: 73.33%

10th – HSE

Saraswati Sishu Vidya Mandir, Odisha | 2020

Percentage: 68.33%

Certifications & Achievements

- PGDCA – Post Graduate Diploma in Computer Applications | Grade: A
- Smart India Hackathon (SIH) 2024 – Selected as Team Leader
- Book Chapter Publication (2024) – [Title to be confirmed]
- Photon Exchange Membrane for Vanadium Redox Flow Battery – Research under NMRL, NIST
- Assembly Language Programming – Completed NPTEL Course (2023)

Technical Skills

- Programming Languages: C, C++, Java, Python

- • Web Development: HTML, CSS, JavaScript, React.js, Node.js
- • IoT & Embedded Systems: ESP32, ESP8266, AWS IoT Core
- • Database: MySQL, Firebase
- • Tools & Software: Git, MS Office Suite, VS Code
- • Operating Systems: Windows, Linux
- • Cloud/ML Exposure: AWS, Machine Learning basics (Python-based)

Projects

- • Road Accident Alert System – IoT-based solution using sensors and AWS to detect and notify nearby hospitals.
- • AI Robot Project – Human-interaction robot using ESP32 and AI-based control.
- • Smart Door Lock – Face recognition and AWS-based remote control via website.
- • Voice-Controlled Smart Light – Uses Alexa integration and ESP32 for IoT automation.
- • Web Stopwatch & Calculator – Fully responsive, modern UI applications using HTML, CSS, and JS.

Soft Skills

- • Problem Solving
- • Critical Thinking
- • Leadership & Team Management
- • Innovation & Curiosity
- • Time Management under Pressure

Languages

- • Odia – Native
- • Hindi – Fluent
- • English – Proficient

Hobbies & Interests

- • Robotics & AI Development
- • IoT Automation & Research
- • Energy Storage Systems
- • Puzzle Solving & Logical Games
- • Blogging & Sharing Tech Ideas

Research & Publications

- Book Chapter Published (2024) – [Title to be confirmed]

- Research Contributor – Photon Exchange Membrane project at Novel Material Research Laboratory (NMRL), NIST

References

Dr. Ratikanta Nayak

Department of Physics, NIST

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