

# SIBANSHA MISHRA

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## SUMMARY

Passionate web developer skilled in Java stack technologies, including Spring Boot and Hibernate, with expertise in HTML, CSS, JavaScript, and RESTful API integration. Proficient in building scalable web solutions, responsive designs, and robust back-end systems. Focused on delivering user-centric digital experiences and staying updated with cutting-edge trends.

## EDUCATION

### C V Raman Global University

Bachelor of Science in Computer Science (7.97 Cgpa)

October 2022 - June 2026

Bhubaneswar, Odisha

### Kendriya Vidyalaya No-1

Secondary High School in Science (7.64 cgpa)

July 2020 - Mar 2022

Bhubaneswar, Odisha

### Kendriya Vidyalaya No-1

Higher Secondary Education

Mar 2009- Feb 2020

Bhubaneswar, Odisha

## Relevant Coursework

- Data Structures and Algorithms (DSA)
- Introduction to Computer Programming
- Embedded Robotics and System Design
- Database Management
- Strong Communication and Critical Thinking
- Object-Oriented Programming

## TECHNICAL SKILLS

- Languages: Java (Core, Advanced), Python, C++, JavaScript, HTML, CSS, SQL
- Frameworks/Technologies: Spring Boot, Hibernate, RESTful APIs, Microservices Architecture, Blockchain (Basic)
- Tools: VS Code, Eclipse, Figma, Git, Docker, MySQL, Oracle SQL, PostgreSQL
- Concepts: Data Structures and Algorithms (DSA), Object-Oriented Programming (OOP), API Integration

## PROJECTS

### Autonomous Bus Project & Precision Farming IoT Solution

August 2024 - October 2024

HTML, CSS, JavaScript, AI-IOT

Developed an AI and IoT-powered autonomous bus prototype with real-time navigation, obstacle detection, and route optimization using machine learning.

- Built and integrated IoT sensors with cloud data pipelines. Developed RESTful APIs for real-time analytics and optimization.
- Utilized **React.js** for front-end development and **Node.js** with **Express.js** for back-end integration.
- Utilized machine learning models to enhance real-time decision-making. Deployed back-end systems using Java Spring Boot for seamless API management.

### Server Maintenance with Dynamic Programming

June 2024 - July 2024

- Designed and implemented an intricate backup rotation algorithm based on the Tower of Hanoi puzzle.
- Employed memorization arrays to enhance efficiency and scalability, ensuring system reliability.

## ACHIEVEMENTS

- Gold Medal: SOF International Mathematics Olympiad (2019)
- 4th Place: Code Mania, Techno Management Fest, NIT Jamshedpur (2024)
- Leadership & Service: Tritiya Sopan (Scouts and Guides)

## INTERNSHIPS

### Embedded Systems Developer

June 2024 - August 2024

- Developed embedded systems for robotics using STM32 microcontrollers and integrated sensors.
- Optimized real-time control systems and implemented communication protocols (UART, SPI, I2C).

## CERTIFICATIONS

- UI/UX Design Professional Certificate – Coursera (2024)
- Microsoft Azure Fundamentals (2024)
- Flipkart Grid 6.0 Software Development Track (2024)