

# BIBHUTI BHUSAN NAIK

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## PROFILE SUMMARY

Motivated Computer Science and Information Technology candidate with demonstrated proficiency in MERN stack development, algorithmic problem-solving and system-level programming. Experienced in Java, Python and Javascript with a track record of building performant web applications, implementing robust API Integration and deploying cloud-ready solutions.

## TECHNICAL SKILLS

**PROGRAMMING LANGUAGES:** JAVA | JAVASCRIPT | PYTHON

**WEB TECHNOLOGIES:** HTML5 | CSS | Reactjs | Node.js | Express.js

**DATABASES:** SQL | MongoDB

**DEVELOPER TOOLS :** Git/Github | VSCode | IntelliJ IDEA | Postman

**DEPLOYMENT PLATFORMS:** Vercel | Hostinger | Render

## PROJECTS

### Development & Deployment: ACED 2025 Conference Website ( [visit](#) )

Aug 2025 - Nov 2025

- **Technologies:** Frontend Development(React.js), Backend Automation(AppsScript), Deployment(Hostinger)
- Key developer in a 3-member team that architected and delivered the official website for the Advanced Civil Engineering Practices (ACED) 2025 conference.
- Built responsive and user-friendly frontend features using React.js, including the user registration workflow and committee member directory.
- Implemented backend automation using Google Apps Script and the Google Forms API to process form submissions and generate unique registration identifiers, improving data organization and tracking.
- Collaborated closely with the organizing committee to incorporate iterative updates and content changes, ensuring accuracy and timely updates.
- Managed end-to-end deployment on Hostinger, handling web hosting configuration, domain management, and production updates.

### Sorting Algorithm Visualizer

July 2024 - August 2024

- **Tech Stack:** HTML5, CSS3, Javascript
- A web application built using pure HTML, CSS, and vanilla JavaScript to visualize classic sorting algorithms such as Bubble Sort, Insertion Sort, Selection Sort, Merge Sort, and Quick Sort.
- Designed to help beginners understand sorting algorithms better through interactive visual representation of the sorting process.
- Lightweight, minimal codebase focusing on DOM manipulation and core web technologies without any frontend frameworks.

### AI-Powered Virtual Assistant ( [visit](#) )

June 2025 - Oct 2025

- **Tech Stack:** React.js, Node.js, MongoDB, REST APIs, Gemini/LLM API, Web Speech API
- Developed a React-based Virtual Assistant front-end with real-time speech recognition and speech synthesis for voice interaction, including conditional UI states and animated GIF avatars.
- Implemented persistent user history management by pushing conversational commands to a MongoDB database and exposing REST endpoints to save and fetch user data.
- Built server-side controllers to handle assistant requests and integrated a backend assistant API (Gemini) to forward user commands and return responses to the client.
- Reduced race conditions in microphone control by implementing start/stop timeouts and guarded recognition/speaking flags, improving reliability of continuous voice interactions.
- Designed responsive UI features including a hamburger side panel with history mapping, a customization flow for the assistant's name/image, and accessible controls for voice actions.

## EDUCATION

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### INSTITUTE OF TECHNICAL EDUCATION AND RESEARCH

SIKSHA 'O' ANUSANDHAN (DEEMED TO BE UNIVERSITY)

Bachelor of Technology in Computer Science and Information Technology (**CGPA: 9.69/10**)

**COURSE HIGHLIGHTS:** Programming in Java | Web Development Workshop | Algorithm Design | Operating System | Computer Networks | Database Management System

**BHUBANESWAR, ODISHA**

[2022 - present]

### MAR BASELIOUS VIDYA BHAVAN SCHOOL

CLASS XII (CENTRAL BOARD OF SECONDARY EDUCATION) [**92.3 %**]

**BHILAI, CHHATTISGARH**

[2020 - 2021]

### HOLY FAMILY CONVENT SCHOOL

CLASS X (CENTRAL BOARD OF SECONDARY EDUCATION) [**94.6 %**]

**GADCHANDUR, MAHARASHTRA**

[2018 - 2019]

## ACHIEVEMENTS

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- Achieved **4-star rating in MySQL** on **HackerRank** by solving 50+ SQL problems.
- HackerRank **3-Star rating in Java** - Actively solving Data Structures & Algorithms.
- **CGPA (9.69/10)** - Consistent academic excellence across semesters.

## CERTIFICATIONS

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**JAVA PROGRAMMING - HACKERANK CERTIFICATE** ( [visit](#) )

**SQL AND RDBMS - IBM SKILLSBUILD CERTIFICATE** ( [visit](#) )

**SOLID DEVELOPMENT PRINCIPLES - SCALAR WORKSHOP** ( [visit](#) )