

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

**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

- 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

JAVA PROGRAMMING - HACKERANK CERTIFICATE ([visit](#))
SQL AND RDBMS - IBM SKILLSBUILD CERTIFICATE ([visit](#))
SOLID DEVELOPMENT PRINCIPLES - SCALAR WORKSHOP ([visit](#))