

Ritesh Bhoy

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EDUCATION

[BTech in CSE]

[Shri Shankaracharya Technical Campus] CGPA: 8.34

2020 -2024

Bhilai, Chhattisgarh

[12th CBSE]

[Shalini Convent School] Aggregate: - 81%

2019 -2020

Raigarh, Chhattisgarh

SKILLS

Programming Languages:

- **Java:** Object-Oriented Programming (OOP), File Handling, JDBC, Servlets, Exception Handling.
- **JavaScript:** Core JavaScript Concepts, DOM Manipulation, ES6+ Features, Event Loop, Asynchronous JavaScript.

Backend Development:

- **Node.js:** NPM, Node.js Modules, Middleware and Routing, Authentication and Authorization, Socket.IO, Express.js, EJS (Embedded JavaScript), Mongoose.

Database Technologies:

- **SQL:** Proficient in database queries and management.
- **MongoDB:** NoSQL database operations.

Web Development:

- **Frontend:** HTML5, CSS3, JavaScript DOM manipulation.
- **Templating:** EJS for dynamic HTML rendering in Express.js applications.

Tools and Technologies:

- **Version Control:** Git, GitHub, Vs Code, IntelliJ IDEA, Database Tools: SQL*Plus.

INTERNSHIPS

Full Stack Developer Intern

JSPIDER

July 2024

Bangalore, India

- Worked on live projects, implementing full stack development concepts using **JavaScript**, **Java**, and **SQL**.
- Developed scalable web applications from scratch, handling both frontend and backend development.

PROJECTS

Project | Sign Language Recognition Language

[GitHub](#)

- Developed an ASL recognition system to facilitate communication for deaf-mute individuals using computer vision and machine learning.
- The application detects ASL gestures in real time, supports customizable gestures, and enables sentence formation with exportable text output.
- Built with Python, TensorFlow, OpenCV, and PyQt5 for a user-friendly interface and offline text-to-speech support.

Project | Real Time Device Tracking

[GitHub](#)

- Created a **real-time device tracking** solution using **Node.js**, **Express**, and **Socket.IO** for continuous live updates of device locations.
- Integrated **Web Sockets** for uninterrupted data transmission between the server and client.
- Leveraged **Leaflet.js** and **Google Maps API** to visualize real-time device locations on an interactive map.

Project | Real Time Chat Application

[GitHub](#)

- Built a real-time chat app using Node.js, Express, Socket.IO, and MongoDB, supporting public and private chat rooms.
- Integrated Socket.IO for instant messaging and real-time updates like typing indicators and user status (online/offline).
- Used MongoDB for message storage and persistent chat history.

CERTIFICATIONS

- Hackathon - Participated in HackBios,2022 at my college.
- full stack development for Beginners - Bit Degree.
- Hacker-rank: - java, SQL (intermediate badge).
- JP Morgan: - Software Engineering.

INTEREST

- Building and maintaining personal websites or blogs.