

Ravi Raj Singh

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SKILLS

- **Languages:** C/C++, Java, JavaScript
- **Frameworks:** HTML and CSS, Bootstrap, Tailwind CSS, Node.js, React
- **Tools/Platforms:** SQL, MySQL, MongoDB, Ms-Excel, Tableau
- **Soft Skills:** Problem-Solving Skills, Team Player, Adaptability

INTERNSHIP

- **Programming Pathshala** (June '24 – Aug '24)
MERN Stack Intern
 - **About:** Developed full-stack web applications using **MongoDB, Express.js, React.js**, and Node.js. Designed and enforced RESTful APIs for seamless data communication between frontend and backend.
 - Built **dynamic and interactive** user interfaces using React.js, ensuring a smooth and engaging user experience.
 - **Tech stacks used:** Mongo DB, Express.js, React.js, Node.js, JWT, REST API.

PROJECTS

- **Hospital Management System (HMS)** (Aug '24 – Sep '24)
Developed a user-friendly Hospital Management System with role-based access using ReactJS. Implemented secure **JWT-based authentication** and **authorization**, ensuring **data privacy** and enabling **role-specific dashboards**.
Enhanced the admin dashboard to manage doctors, appointments, and patient records, improving role-based access and Efficiency.
Optimized backend performance with efficient **validation** and **error handling mechanisms**, ensuring smooth and secure operations.
- **Stripe Payment Gateway** (Jun '24 – Jul '24)
Successfully developed and integrated a secure Stripe payment gateway during my summer training internship. Implemented both **frontend** (UI/UX for payment flow) and **backend** (server-side payment processing and security) components.
Ensured smooth payment operations, including handling **transactions, error management**, and **API integration**.
Gained hands-on experience with **payment systems, API documentation**, and **debugging**
- **Voice Assistant Integrated with Arduino for device control** (Aug '22 – Nov '22)
Tools: Python, Arduino, pytsx3, SpeechRecognition, Wikipedia API, Web Browser Automation.
Developed a **voice-controlled assistant** that integrates with Arduino to control devices via voice commands.
Applied **advanced real-time speech recognition technology** for seamless command execution.

CERTIFICATES

- **Software Testing – NPTEL** (Covered fundamental software testing and security) (Aug '24 – Nov'24)
- **Data Analysis With Tableau - Coursera** (Mar '24 – Apr'24)
Skilled in data visualization, dashboard creation, and analytics using Tableau.
- **Generative AI with Large Language Models : principles and applications of Generative AI, including Large Language Models (LLMs), prompt engineering, and model fine-tuning.** (Mar'24 – Apr'24)

ACHIEVEMENTS

- **Solved 100+ Problems on LeetCode:**
Including the questions: Easy – 55, Medium – 48, Hard – 2
- **Volunteered in IICS :** (Oct'23)
Participated and volunteered in 8th International Conference on Computing Science in 2023
- **State-Level Kho-Kho Player [Under 14]:** (2015)
Represented Jhunjhunu District at the state level in 2015

EDUCATION

- **Lovely Professional University** Punjab, India
Bachelor of Technology - Computer Science and Engineering; CGPA: 6.9 Since August 2022
- **Bhartiya Public School** Sikar, Rajasthan
Intermediate; Percentage: 76% April 2019 - March 2020
- **Vivekananda Public School** Khetri, Jhunjhunu
Matriculation; Percentage: 80% April 2015 - March 2017