HARSH KUMAR RAI

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# PROFESSIONAL SUMMARY

Enthusiastic and dedicated Full Stack Web Developer with strong foundational skills in React, Node.js, Express, and MongoDB. Proficient in C++ with ongoing Data Structures and Algorithms practice, and currently learning Java to expand backend capabilities. Known for rapid learning, adaptability, and a passion for building meaningful tech solutions. Seeking an opportunity to grow, contribute, and prove value in a collaborative tech environment.

# EDUCATION

**Bachelor of Computer Application,Delhi Technical Campus,Gr. Noida,U.P,India Sep 2023-Present**

* CGPA 9.291(Upto 3rd Sem)

## Higher Secondary, Shaiffali Public School , Dadri, U.P, India

* Percentage 72.8

**April 2022-April 2023**

# PROJECTS

* **Online Voting Result Analysis System [Github Link:**<https://github.com/hkumarrai1/Online-Voting-Result-Analysis-System>**]**

**Role:** Lead Developer **Dec 2024-April 2025**

**Programming Language:**Python

**Libraries & Tools:**pandas,numpy,matplotlib,seaborn,scikit-learn,Tkinter

* Developed a system for **analyzing** and **predicting election data**, combining **EDA**, **machine learning**, and **visualizations**.
* Cleaned and preprocessed election data using **Python** scripts, generating insights like **voter turnout trends**, **victory margins**, and **party wins**.
* Built a **Random Forest model** to predict election outcomes based on features like **state**, **turnout**, and **margin**.
* Created an **interactive dashboard** using **Tkinter**, allowing users to view visualizations, input data, and make predictions.
* **CodeBuddy [Github Link:**<https://github.com/hkumarrai1/CodeBuddy>**] Jan 2025-Present**  
   **Role:** Full-Stack Developer (In Progress)   
   **Technologies Used:** **React**, **Vite**, **Node.js**, **Express**, **MongoDB**, **Bootstrap**
* **Developing** a **full-stack learning platform** that offers interactive coding challenges, tutorials, and progress tracking for beginner programmers.
* Implementing **user authentication** and **profile management** for personalized learning experiences.
* Designing the **UI/UX** to be **intuitive and responsive.**
* Currently working on integrating **backend functionality** with **Node.js** and **MongoDB** for data storage

# SKILLS AND LANGUAGES

# Programming Languages:

# **JavaScript,Python,C++,C**

# **Web Technologies:**

# **HTML5,CSS,Bootstrap,React,Express.js,Vite,Rest APIs**

# **Database & Tools:**

# **MongoDB, Git & GitHub, Postman**

# Other Skills:

# **Problem Solving, Modular Coding, Responsive Web Design, Debugging, Team Collaboration**

# CERTIFICATIONS

* Responsive Web Design Certification freecodecamp
* JavaScript Algorithms and Data Structures Certification freecodecamp
* Front End Development Libraries Certification freecodecamp
* Figma certification simplilearn

# RELEVANT COURSES

* Data Structures & Algorithms
* Object-Oriented Programming
* Web Development
* Database Management System