Vibhu Sahu

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SUMMARY

As a **Frontend Developer** with a solid foundation in **modern web technologies**, I excel at transforming **UI/UX designs** into **highly responsive, performance-optimized** web applications. With proficiency in **HTML, CSS, and JavaScript**, I focus on building **scalable, maintainable frontend architectures** that enhance user experience and system efficiency. I am adept at implementing **modular design principles** and ensuring **cross-browser compatibility** while optimizing for **speed and responsiveness**. Passionate about driving **cutting-edge solutions**, I seek to contribute my skills to dynamic projects within a **collaborative, fast-paced development team** to deliver **innovative, user-focused** applications.

EDUCATION

Bachelor of Technology in Computer Science (B.Tech CSE) [SRM Institute Of Science and Technology • Chennai, Tamil Nadu]   2023 - 2027
Class 12th in PCM [Kendriya Vidyalaya No.1 Raipur • Raipur, Chhattisgarh]   2020 - 2022
Class 10th [Kendriya Vidyalaya No.2 Raipur • Raipur, Chhattisgarh]   2020

PROJECTS

Portfolio [*link*]   January 2023 - Present
- **Developed a fully responsive portfolio website** utilizing **HTML, CSS, JavaScript, and Bootstrap**, effectively showcasing a diverse range of skills and projects.
- Engineered a clean, intuitive, and user-focused interface with cross-device compatibility, ensuring an optimal user experience across various platforms and screen sizes.

EQE(Express QR Code Evaluator) [*link*]   October 2023 - Present
- **Developing EQE**, a **user-centric Android application** designed to efficiently solve polynomial equations by leveraging **QR code scanning technology**.
- Users can **scan QR codes containing complex polynomial expressions**, with the app dynamically **parsing and evaluating the polynomials** for a given value of x, demonstrating the **effective implementation of linked lists** in managing polynomial terms and computations.

BookBOx [*link*]   September 2023 - Present
- Developed **BookBox**, a **decentralized library application** enabling users to **search, borrow, and purchase books** across various platforms (web, Android, iOS, Windows, Linux).
- Supports both **institutional users** and the **open market**, offering a versatile solution for different audiences.
- Enhances the **reading experience** with **personalized recommendations** and tailored book suggestions for users.
- Provides **comprehensive book management features**, simplifying the borrowing and purchasing process for students and general readers.

COURSES AND CERTIFICATIONS

JavaScript Certificate (HackerRank • 2023) | **Python Certificate** (HackerRank • 2023) | **UberTeach SQLize** (SRM IST Chennai Tamil Nadu • 2023) | **Introduction To Programming In C** (NPTL - IIT • 2024 • C programming) | **Hackfest Web Development** (SRM IST Chennai Tamil Nadu • 2023) | **Problem Solving Certificate** (HackerRank • 2023) | **SQL Certificate** (HackerRank • 2023)

POSTIONS OF RESPONSIBILITY

Tech Assistant and Website Designer (SRM Institute of Science and Technology, Chennai, Tamil Nadu • Di Club)   September 2023 - Present
- **Providing technical assistance** and **designing websites** for Di Club, actively **enhancing the club's online presence** and **improving functionality**.
- **Mentoring new members** by teaching **website development & design principles**, fostering **strong foundational skills** in **modern web technologies**.
- **Contributing** to the club's technical growth by **supporting members** in **developing web development expertise**, including **responsive design** and **frontend optimization**.

Tech Assistant and Event Coordinator (SRM Institute of Science and Technology, Chennai, Tamil Nadu • ACE Club)   January 2024 - Present
- **Coordinating and executing events**, such as **UberTeach DevFusion** and **UberTeach CodeQuest**, driving **project management** and **collaboration.**
- **Increasing the club's social media** following by **30% content management** and **engagement techniques**, leveraging **digital marketing trends**.
- **Providing technical support** for club activities, ensuring **seamless operations** and **real-time troubleshooting** during key events.

Mentor (SRM Institute of Science and Technology, Chennai, Tamil Nadu • SYNC Club)   November 2023 - Present
- Mentoring club members on C, data structures, and emerging technologies, reinforcing their technical foundations in software development.
- **Organizing workshops** and **hosting guest lectures** with **industry experts**, offering **advanced knowledge transfer** and skill-building opportunities.
- **Facilitating group discussions** and **providing personalized guidance** on projects, enhancing members' **problem-solving abilities** and **technical acumen**.

SKILLS

LANGUAGES: Java, Python, C/C++, C#, Swift, JavaScript, HTML/CSS, Linux Shell, BashShell Script, Markdown Language
FRAMEWORK: Reactjs, Nextjs, Nodejs, Expressjs, FastAPI, Django, Tailwind, Bootstrap
DEVELOPER TOOLS: Git, GitHub, Docker, VS Code, Codespace, Replit, Visual Studio, Pycharm, intelliJ IDEA, Android Studio, Xcode, Copilot, ChatGPT
LIBRARIES: React-Redux, Redux Toolkit, React-bootstrap, cookie-parser, jwt-token, axios, Bcrypt, EmailJs, OpenCV, pydantic, Panda, NumPy, SQLAlchemy
DATABASE: MySQL, SQLite, SQLite3, Mongodb

INTEREST AND HOBBIES

Technology Exploration | Reading | Gym | Football | Chess | Cycling | Badminton | Bowling | Watching Podcasts | Cooking

CURRENT LEARNING ENDEAVOURS

Calculus for Machine Learning and Data Science (DeepLearning.AI • coursera) | **Finding Your Professional Voice: Confidence & Impact** (University of London • coercer) | **Unsupervised Learning, Recommenders, Reinforcement Learning** (coursera) | **Advanced Learning Algorithms** (coursera) | **Supervised Machine Learning: Regression and Classification** (coursera) | **The Complete Android 15 Course** (Udemy) | **DevOps Bootcamp: CI/CD, Automation, and Cloud Mastery** (Udemy)