RITESH KUMAR VERMA

Barabanki, Uttar Pradesh | ritesh0123verma@gmail.com | +91 9140696488 | linkedin.com/in/ritesh2109 | github.com/Saurabhhhhhh

Skills

- Python | C | C++ | Machine Learning | JavaScript | React | PHP | MySQL | MongoDB | Git

Work Experience

Future Gurukuls | Coding and Robotics Trainer　　　　　　　　　　　　　**October' 2024 - Present**
- Designed and delivered hands-on robotics and coding curriculum using Arduino and various sensors, teaching students programming, hardware integration, and problem-solving techniques.
- Applied programming skills in languages like C++ and Python, and worked with hardware integration, sensor technologies, and debugging to create and optimize student projects.

Oasis Infobyte | Web Development Intern　　　　　　　　　　　　　　**April' 2023 - May' 2023**
- Built and deployed several web applications using HTML, CSS, JavaScript, and relevant frameworks, focusing on functionality and user experience.
- Gained hands-on experience in front-end development, user interface design, and responsive web design, optimizing functionality and user experience across different devices.

Education

Veer Bahadur Singh Purvanchal University, Jaunpur, India　　　　　　**2020 - 2024**
Computer Science & Engineering | Percentage: 73.84

Jay Hind Inter College, Barabanki, India　　　　　　　　　　　　　**2018 - 2019**
UP Board (Class XII), Percentage: 77%

Jay Hind Inter College, Barabanki, India　　　　　　　　　　　　　**2016 - 2017**
UP Board (Class X), Percentage: 85%

Projects

Plant Disease Detection　　　　　　　　　　　　　　　　　　　　**Sep'2023**
A Web based plants disease detection application built with Flask, Python, and CNN algorithm.
- Utilized a CNN algorithm to achieve 96.7% train accuracy, 98.9% test accuracy, and 98.7% validation accuracy for precise identification of various plant diseases.
- Engineered a scalable, intuitive, and accessible solution that facilitates early disease detection, catering to diverse user needs and fostering preventive healthcare management.

Chat Application　　　　　　　　　　　　　　　　　　　　　　**Feb'2023**
A Full Stack, real-time chat application using HTML, CSS, JavaScript, React and Firebase.
- A high-performing React and Firebase-powered chat platform, ensuring 98% uptime and enabling seamless real-time communication and collaboration among users.
- Ensured seamless integration of key functionalities, encompassing authorization, authentication, and an interactive UI, to enhance user experience and system performance.

Music Player　　　　　　　　　　　　　　　　　　　　　　　**Oct'2022**
A Python-based music player application for seamless playback and management of audio files.
- A Python application, showcasing GUI design and programming expertise for intuitive audio playback.
- Incorporated essential functionalities, encompassing play, pause, forward, backward, volume control, and a comprehensive song list, ensuring a seamless and user-friendly experience.

Academic and Extracurricular Achievements

- Completed the extensive **120+ hour Cloud Engineering Learning Path** in **Google Cloud** through **GDSC**.
- Emerged victorious in **Google Arcade**, November 2023, earning **Google Cloud badges** and **swag**.
- Secured victory in the one-month **Microsoft Build: Azure AI Challenge** in **June 2023**, mastering 22 intensive modules and showcasing expertise in Azure AI technologies.
- Received the prestigious certificate from **ISRO** upon successfully completing the enriching "**Applications of Machine Learning in Urban Studies**" course.