

SOURAV BHARDWAJ

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souravportfoliovercel.vercel.app

EDUCATION

Malla Reddy Engineering College

B.Tech in Computer Science-IOT | GPA : 8.26

2024

TECHNICAL SKILLS

Languages : Python, Java, Embedded C, SQL, HTML/CSS, Javascript

Frameworks/Libraries : Flask, Beautiful Soup, requests, Django, React, Spring Boot, Node.js

DevOps and API Tools : Git, Github, Gitlab, Postman, Firebase

Databases/Cloud and Security Tools : SQL, MongoDB, AWS, Azure Cloud, SQL Server

Others :Data Structures and Algorithms, IOT(Arduino and Raspberry Pi)

EXPERIENCE

NeonFlake | *Software Engineer Intern*

October 2023 –April-2024

- Developed AI-based applications using Python (Flask) with Firebase real-time database management and authentication.
- Utilized HTML, CSS, JavaScript, and React to create responsive and interactive user interfaces for these applications.
- Worked with databases such as MongoDB and SQL to design and manage efficient data storage solutions.
- Implemented web scraping using Beautiful Soup and Requests, automating data extraction tasks for various projects.
- Utilized Python libraries like OpenCV for image processing and analysis, enhancing application functionalities.
- Designed and implemented circuit diagrams and wrote logic code for microcontrollers such as Arduino and Raspberry Pi.
- Integrated various sensors into hardware systems, ensuring seamless communication and functionality.
- Conducted research on multiple projects to identify optimal solutions and approaches.
- Collaborated with the team to deliver high-quality hardware and software products on time, meeting client expectations.
- Interacted with clients to gather requirements, ensuring alignment with their vision and delivering tailored solutions.

PROJECTS - (CLICK TO VIEW PROJECT)

AI Chatbot: | *HTML/CSS, Javascript, Python(Flask), GROK API, Vercel*

Dec 2024

- Developed an AI chatbot web application with a user interface similar to WhatsApp, using GROK API, Python (Flask), HTML, CSS, and JavaScript to ensure an intuitive user experience.
- Implemented asynchronous JavaScript for efficient API response handling, enhancing performance and user interaction. Formatted API responses to improve and comprehension.
- Added scroll functionality to the chat container, ensuring improved usability during extended conversations.
- "Designed and deployed a fully responsive website on Vercel (<https://aigrokbob.vercel.app>), enabling seamless functionality with optimized performance, fast load times, and an enhanced user experience."

Realtime Weather Application: | *HTML/CSS, Python(Flask),BeautifulSoup*

Aug 2024

- Designed a weather application leveraging 5 core technologies: Python, HTML, CSS, Beautiful Soup, and Flask.
- Implemented web scraping to retrieve 5 key weather metrics: temperature, humidity, wind speed, precipitation percentage, and weather conditions, all based on user-provided city and country input.
- Achieved 100 percent accuracy in data retrieval with a rapid response time under 2 seconds.
- Deployed and hosted the application on Vercel (<https://weathersoup.vercel.app>), ensuring 99.9 percent uptime.

Photography Portfolio Website: | *HTML, CSS, Javascript Firebase*

Jun 2024

- Designed and developed a professional photography portfolio web application, showcasing over 50 personally clicked photos with interactive effects using advanced HTML and CSS techniques.
- Implemented an interactive hover feature that seamlessly transitions photos from black and white to vibrant color, significantly enhancing user engagement, interactivity, and overall visual appeal with smooth animations.
- "Integrated Firebase backend to efficiently store, manage, and retrieve user responses from the 'Contact' section, real-time data handling, and streamlining the user feedback process for enhanced responsiveness and reliability."
- Deployed the application on Vercel, achieving 99.9 percent uptime and fast load times for a superior user experience.

Audio to Text Convert Web Application: | *HTML, CSS, React-Javascript, API*

Jan 2024

- Engineered a real-time speech-to-text web application using React and Assembly AI's API, facilitating efficient and accurate transcription for over 10 weekly users with seamless performance and enhanced user accessibility.
- Deployed the app on Vercel (<https://speak2script.vercel.app>), achieving a lightning-fast page load time of under 200ms and maintaining 99.9 percent uptime to ensure high availability, reliability, and top-notch performance for users.
- Enhanced usability by incorporating a dynamic word count feature and real-time timestamps, improving user interaction by 20 percent.
- Integrated external APIs, demonstrating expertise in API-driven front-end development to create a robust platform.

CERTIFICATIONS - (CLICK TO VIEW CERTIFICATE)

Microsoft Python Fundamentals

Microsoft

Microsoft Azure Fundamentals

Microsoft

Software Engineering Virtual Internship

JP Morgan

Database For Developers:Foundation and Next Level

Oracle

Python Programming

CISCO

Data Structures and Algorithms

Tutor's Campus