SOURAV BHARDWAJ

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EDUCATION

Malla Reddy Engineering College	**B.Tech in Computer Science-IOT** │ GPA : 8.3	*2024*

TECHNICAL SKILLS

Languages : Python, Java, Embedded C, SQL, HTML, CSS, Javascript
Frameworks/Libraries : Flask, React, Spring Boot, Node.js
DevOps and API Tools : Git, 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), Problem solving, Team management, Decision-making, Adaptability, Communication, Analytical thinking.

EXPERIENCE

Software Engineer Intern-(Paid Internship) │ *NeonFlake*   *October 2023 –April-2024*
- Leveraged Scrum methodologies for task tracking and management using Asana to ensure timely project delivery and alignment with client requirements.
- Created comprehensive documentation encompassing clients, codebase, and development architecture to enhance understanding and transparency throughout the project lifecycle.
- Demonstrated proficiency in writing efficient, reusable, and testable code, conducting regular updates and reviews to maintain code quality.
- Additionally, developed and integrated hardware products using embedded C, bridging them with cloud services to enable seamless communication and data exchange between devices and cloud platforms.

Software Engineer Intern │ *J.P. Morgan Chase and Co.*   *February 2023*
- Set up a local dev environment by downloading the necessary files, tools and dependencies.
- Fixed broken Python code in the repository to ensure the web application output correctly and functioned as intended.
- Used JPMorgan Chase's open source library called Perspective to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor.

PROJECTS

Shopping Website │ *HTML/CSS, JavaScript, Firebase(Backend)*   *June 2024*
- **Shopping Website:** Developed a dynamic shopping website using HTML, CSS, and JavaScript, incorporating modern design principles and interactive features to enhance user experience.
- **Firebase Backend:** Implemented Firebase as the backend infrastructure to handle user authentication, real-time database updates, and efficient data storage, ensuring seamless functionality and reliability
- **Vercel Hosting:** Deployed the application on Vercel with the domain name "zoukei.vercel.app", optimizing performance and accessibility while demonstrating proficiency in front-end development, backend integration, and deployment strategies.

AI Convo (Neonflake) │ *Python(Flask), HTML5, CSS, Embedded C, Firebase, Replicate(Sadtalker API)*   *January 2024*
- Developed web application using Python Flask frameworks for backend operations, complemented by RESTful API integration for seamless Raspberry Pi interaction.
- Designed and deployed a scalable RESTful API using Django and Django RESTImplemented Firebase for Realtime Database management and Authentication, ensuring fortified security measures and streamlined data handling.
- Developed advanced functionalities including audio input processing and video output generation using Flask-SocketIO, ImageIO, SpeechRecognition, FuzzyWuzzy, and PyAudio libraries in Python.

SpeakToScript Web App │ *HTML , CSS , React-Javascript*   *October 2023*
- Created the "SpeakToScript" web application using React, powered by Assembly AI's speech-to-text API, for real-time speech-to-text conversion. Check it out *speak2script.vercel.app*.
- Vercel Hosting: Deployed and hosted the "SpeakToScript" web app seamlessly on Vercel, ensuring fast load times and high availability for users.
- Enhanced User Experience: Implemented word count and timestamp features to provide users with valuable context and improve usability.
- API Integration: Demonstrated proficiency in integrating external APIs into the front-end to deliver a functional and feature-rich web application.

CERTIFICATIONS

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