VENKATA SESHA SAINATH BIRUDURAJU

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OBJECTIVE

Dedicated Computer Science Engineering graduate with hands-on experience in building interactive web experiences and a solid understanding of machine learning principles. Seeking a position to apply my skills in both areas while continuously expanding my knowledge in cloud computing and prompt engineering.

EDUCATION

Bachelor of Technology in Computer Science and Engineering 2022 - Present
Veltech University, Chennai. CGPA : 7.6

BIEAP, Class XII 2022
Narayana JR college, Nellore, Andhra pradesh, 88.4%

CBSE, Class X 2020
Avenues English Medium High School, Nellore, Andhra Pradesh, 63.4%

SKILLS

Programming Languages: Python, C, Java, HTML, CSS, Node.js
Web Technologies: JavaScript, PHP, MySQL
UX / UI Basics: User-Centered Design (Basic understanding),Wireframing (Low Fidelity),Prototyping (Basic),Visual Design Fundamentals
Development Tools: Git, GitHub, Visual Studio Code, Figma,MS Word,MS PowerPoint

PROJECTS

IMPROVING AMERICAN ACCENT USING WEB DEVELOPMENT

- Developed an interactive learning platform using **PHP, JavaScript, and MySQL**.
- Engineered a robust backend with **XAMPP** to manage data and ensure a dynamic, seamless user experience.
- Designed a user-centric web interface to make the learning process engaging and adaptive for every student.

https://americanenglish.netlify.app/

AI-POWERED INTRUSION DETECTION FOR ELECTRIC VEHICALS

- Designed an **AI-powered Intrusion Detection System (IDS)** for electric vehicles, enhancing security through proactive threat detection.
- Collected the data according to the problem statement,from the **kaggle** dataset and made a Pie chart to visualize the data,and **pre-processing** was done before training the Machine Learning model
- Implemented a **machine learning (ML)** model to analyze user behavior patterns and compare them against known attack signatures to detect unauthorized access.
- Developed a real-time alert system to immediately notify vehicle owners and network providers, demonstrating a proactive security posture against cyber threats.