

VENKATA SSHA SAINATH BIRUDURAJU

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OBJECTIVE

Computer Science Engineering student with experience in machine learning systems and web-based applications. Proficient in Python, Flask, and data-driven model deployment, with practical exposure to prompt engineering for AI applications. Interested in cloud technologies and intelligent system development. Seeking entry-level opportunities in AI and software engineering.

EDUCATION

Bachelor of Technology in Computer Science and Engineering	2022 – Present
Vel Tech University, Chennai	CGPA: 7.6
BIEAP, Class XII	2022
Narayana Junior College, Nellore	88.4%
CBSE, Class X	2020
Avenues English Medium High School, Nellore	63.4%

TECHNICAL SKILLS

Languages: Python, C, Java
Web: HTML, CSS, JavaScript, PHP, MySQL, Node.js
AI/ML: Machine Learning, NLP, OCR, Data Preprocessing, Model Deployment
Tools: Flask, Streamlit, Git, GitHub, VS Code
Cloud: Streamlit Cloud, Render, Netlify

SOFT SKILLS

Problem Solving, Quick Learner, Teamwork, Communication, Adaptability

PROJECTS

Improving American Accent Using Web Development	Live Project Link
<ul style="list-style-type: none">Designed and developed a responsive web-based platform for improving English pronunciation using phonetics-based learning.Implemented interactive modules including phonetics practice, lip-sync visualization, and puzzles.Built a client-side authentication system using browser storage for session management.Integrated Netlify Forms for automated user feedback collection.	
AI-Powered Intrusion Detection System for Electric Vehicles	GitHub Repository
<ul style="list-style-type: none">Designed and implemented an AI-based intrusion detection system for monitoring in-vehicle network traffic.Built Flask-based REST APIs integrated with machine learning models for anomaly detection.Deployed backend services on Render for real-time inference and monitoring.Developed an interactive frontend dashboard using HTML, CSS, and JavaScript.	
SmartMed AI – Multi language Medical Report Analyzer Using NLP & OCR	Live Demo
<ul style="list-style-type: none">Built an AI-powered system to analyze medical reports using NLP and OCR.Implemented Tesseract OCR(Optical Character Recognition) and NLP pipelines for entity extraction.Automated classification of medical parameters into health categories.Developed multi language interface and interactive UI using Streamlit.Deployed on Streamlit Cloud with GitHub-based version control.	