Vasetty Sudheer prasanna kumar

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SKILLS

PROGRAMMING

Languages

- Intermediate: Python

Tools

- GIT, Linux , VAPT, Maltigo, Ngrok
- SQL Injection
- Penetration Testing

Frameworks

- React, Next

Technologies

- Javascprit, MongoDB

OTHERS

- DaVinci Resolve
- Adobe Lightroom

EDUCATION

B. Tech, CSE
Raghu Engineering College
2021-25 | Visakhapatnam
CGPA: 7.5

Intermediate, MPC
Sri Chaitanya Junior College
2019-21 | Visakhapatnam
Percentage: 81.8%

Secondary Education
Chalapathi English Medium School
2018-19 | Visakhapatnam
Percentage: 90%

CERTIFICATIONS

Python Basic	: Hackerrank
Problem Solving	: Hackerrank
Front-End	: Meta
DBMS	: NPTEL
CyberSecurity	: HackersUnskool
Artificial Intelligence	: SKillDzire
Internet of Things	: NPTEL
Data Visualization	: TATA Forage

LANGUAGES KNOWN

• English • Telugu

LINKS

Github:// sudheer
LinkedIn:// sudheer
YouTube:// sidv74
Photography:// sidphotog

OBJECTIVE

Aspiring engineer with a strong foundation in 3D printing, CAD design, software development, and technical sales. Passionate about leveraging cutting-edge technology to drive innovation in manufacturing, design, and embedded systems. Seeking a challenging role where I can apply my problem-solving skills, technical expertise, and business acumen to contribute to industry advancements and enhance user experiences.

Technical Skills

- Gen-AI concepts
- Web Development: Front-end (JavaScript, React), Back-end (Flask, MongoDB)
- Automation & AI Integration: Chat-bots, RAG (Retrieval-Augmented Generation), AI-driven support systems
- Cybersecurity & Tools: Knowledgeable in ethical hacking tools, network security, and penetration testing.
- Beginner in deep learning, computer vision, and AI-driven applications, currently exploring TensorFlow, Keras, and OpenCV to build intelligent solutions.

PROJECT(S)

WEED IDENTIFICATION

YOLOv9, Crop-Weed Detection | Deep Learning | PyTorch

Problem: Farmers struggle to differentiate weeds from crops, leading to decreased agricultural productivity.

- Description: I developed an AI-based solution to help farmers identify weeds in their crops using high-resolution images.
- Weed prediction

BACKGROUND REMOVER TOOL

Flask | PyTorch | Remove.bg API | HTML | CSS (Glassmorphism)

- Built a web-based tool using the DeepLabV3 model and Remove.bg API for automated and high-quality background removal.
- background-remover

IMAGE STEGANOGRAPHY TOOL

Next.js | TypeScript | HTML | CSS

- Developed a web-based Image Steganography Tool using Next.js and TypeScript, enabling users to securely hide and extract messages from images through efficient encoding and decoding techniques.
- imagesteganography7

ACHIEVEMENTS

- Volunteered as a photographer for my college's photography club, where I honed my creativity and teamwork skills.
- Attended a workshop at IIT Madras, where I gained hands-on experience in AI, ML, and Deep Learning.
- Completed a workshop by HackersUnskool, where I learned about ethical hacking, cybersecurity, and network vulnerabilities.
- Participated in a hackathon focused on "Social Media Fake ID Detection", where I contributed to building a prototype using machine learning techniques.