

MADHUGANI SAI KUMAR

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<https://github.com/Madhuganisaikumar>

PROFILE

Final-year engineering student with strong problem-solving skills and hands-on experience in Python, cybersecurity tools, and secure system design. Passionate about building scalable software solutions and continuously improving through coding challenges and real world projects

SKILLS

Technical skills

Python, C Programming , MySQL, DBMS, Networking ,Network Security , LINUX

Soft Skills

Debugging, Critical Thinking , Leadership , Problem-Solving , Communication

EDUCATION

Koneru Lakshmaiah Education Foundation

B.tech - Biotechnology

07/2022 – Present | vijayawada, India

cgpa - 8.67

Sri chaithanya

Intermediate

07/2019 – 05/2021 | Hyderabad, India

cgpa - 7.4

sai chaithanya

ssc

03/2019 | Mothkur, India

cgpa - 9.5

CERTIFICATES

- Oracle Cloud Infrastructure - Certified Developer Professional
- Oracle Cloud Infrastructure - Certified Networking Professional
- Google Cyber Security
- Salesforce AI Associate
- Python Statcraft

PROJECTS

Data Leak Detection Tool

Dec 2023

Tools : Python, Regex, File System Operations, Git.

- Built a Python tool to detect sensitive data leaks (passwords, API keys, personal info) in local files and emails using regex.
- Enhanced file system security by identifying vulnerabilities and preventing unauthorized data exposure

Circular DNA Prediction Tool

Sep 2025

Tools: Python, Streamlit, Biopython, Matplotlib, FPDF

- Predicted circular DNA structures from FASTA sequences using Biopython.
- Detected repeats, ORFs, and key genomic elements like TATA box and polyA signal.
- Visualized circular genomes with interactive plots and generated PDF reports.
- Deployed as a user-friendly Streamlit web app for researchers.

ACHIEVEMENTS

Public Relations & Event Coordinator – Safe Life Club

Safe Life Club | Public Relations & Community Engagement

Led PR & Social Media efforts, boosting engagement and community participation through strategic campaigns. Managed content creation, digital outreach, and event planning, driving safety awareness on health and emergency preparedness.

LANGUAGES

English

Telugu

Hindi