GUNDABOINA VENU KUMAR

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Linkedin | **GitHub** | **linkedin** | **blog**

EDUCATION

Sri Indu Institute of Engineering and Technology　　　　　　　　　　　Hyderabad
CSE-Cyber Security Bachelor of Technology - B. Tech　　　　　　　　　　2021 - 2025
CGPA: 7.3

Narayana Junior College　　　　　　　　　　　　　　　　　　　　　　Hyderabad
MPC Intermediate　　　　　　　　　　　　　　　　　　　　　　　　　　2019 - 2021
Percentage: 96%

EXPERIENCE

| Python Development Intern

Developed and optimized scalable and efficient software applications using Python. Collaborated with cross-functional teams to design, implement, and test new features, ensuring clean, maintainable, and high-quality code. Gained hands-on experience in Python libraries, frameworks, and Agile development processes.

SKILLS

Programming Languages:	C, Python, JavaScript, HTML, CSS
Libraries/Frameworks:	JavaScript
Tools / Platforms:	Vs Code, GitHub, Microsoft Office
Databases:	SQL, MYSQL, PostgreSQL

PROJECTS / OPEN-SOURCE

Email security and Authentication　　　　*DMARC, DKIM, SPF, Machine Learning, Phishing Detection, Encryption*
- Designed and implemented an advanced email security system utilizing DMARC, DKIM, and SPF protocols to mitigate phishing and spoofing attacks, integrated end-to-end encryption, and machine learning algorithms for phishing detection.
- Developed an admin dashboard for real-time monitoring and reporting, achieving a 75% reduction in email-based security incidents.

Cyber-attack detection using IoT | Link　　　　　　　*IoT, Python, Machine Learning, ANN, SVM*
- Designed and implemented a cyber-attack detection system for IoT networks using Python, and utilized machine learning algorithms,
- Performed data preprocessing, feature extraction, and model training to achieve accurate and efficient threat detection.

Weather Forecast | Link　　　　　　　　　　　　　　　　　　*HTML,CSS,JavaScript,API*
- Developed a singlepage web application to display current weather and a 5day forecast for any city
- Implemented live data fetching with fetch() and JSON parsing for temperature, humidity, wind speed, and conditions
- Added geolocation support to autodetect user location, with manual city search fallback
  Handled errors and loading states for invalid input and network/API failures

CERTIFICATIONS

- Python Development - **Cognifyz Technologies**
- Python programming - **HakerRank**
- SQL - **HackerRank**