SHASHANK VAKALAPUDI

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EDUCATION

Vignan University, Guntur   *2021 2025*
Bachelor of Technology in Computer Science Engineering
CGPA: 7.5/10

CAREER OBJECTIVE

Aspiring Full Stack Developer with a strong foundation in cybersecurity, programming, and web development. Seeking to contribute to innovative software solutions by leveraging modern web technologies, analytical problem-solving, and collaborative development practices.

WORK EXPERIENCE

Codsoft   June 2024 August 2024
Web Development Intern

· Developed and deployed responsive web applications using HTML, CSS, JavaScript, and Python frameworks.

Vignan University   Feb 2024 Sept 2024
Teaching Assistant

· Assisting faculty in conducting lab sessions and mentoring undergraduate students in programming and cybersecurity.

PROJECTS

Pick N Learn
Developed a platform enabling students to choose demo lectures from various educators, promoting personalized learning. Integrated dynamic content selection with a responsive and user-friendly interface.

Graphical Password Authentication System
Implemented an image-based password authentication system using pattern recognition to enhance user security and usability. Designed the front-end interface for a seamless login experience.

Weather Detection through ESP32 (IoT Project)
Built a real-time weather monitoring system using ESP32 and DHT sensors for temperature and humidity tracking. Integrated ThingSpeak for cloud-based data visualization and analysis.

Python-Based Antivirus System for Enhanced Virus Detection
Created a lightweight antivirus solution in Python using MD5 hash comparison and heuristic analysis. Designed a Tkinter GUI for intuitive directory scanning and real-time malware detection.

CERTIFICATIONS

- Ethical Hacking NPTEL (Completed)
- Social Networks NPTEL (Completed)
- E-Business NPTEL (Completed)

- Python Programming CodeChef (Completed)

- Ethical Hacking Bundle EC Council (Ongoing)

TECHNICAL SKILLS

Languages	Python, Java, C, JavaScript
Frontend	HTML, CSS, React (Basics)
Backend	Node.js (Basics), Flask (Basics)
Database & Cloud	SQL, AWS
Developer Tools	GitHub, VS Code, PyCharm

PUBLICATIONS & PRESENTATIONS

Presented paper titled Signature-Based Antivirus Scanner for Effective Malware Detection and Security Analysis at the 5th International Conference on Trends in Material Science and Inventive Materials (ICTMIM-2025), Rohini College of Engineering and Technology, Tamil Nadu, April 2025.

HONORS AND AWARDS

Star Coordinator, Fine Arts Vertical Vignan University (2023 Present)
Led and organized multiple cultural and technical events; awarded for exceptional leadership and co-ordination.

2nd Position Project Expo, Engineers Day 2024 (Vignan University)
Recognized for IoT-based Weather Detection System using ESP32.

2nd Place Hackathon (Myra Academy)
Developed an innovative problem-solving prototype under time constraints.

ACHIEVEMENTS

2-Star Coder on CodeChef.

Active contributor to open-source and coding challenges.

PERSONAL TRAITS

Strong analytical and problem-solving skills.

Highly motivated, with a passion for continuous learning and innovation.

Excellent teamwork and communication abilities.

Strong leadership and event coordination experience.