MADITHATI VINOOTHNA

+91 7207998329 | vinoothnamadithati@gmail.com | Tirupati

LinkedIn | GitHub | Portfolio Website

SUMMARY

Computer Science graduate with a strong foundation in software and web development, data structures, and algorithms using Python and SQL. Skilled in developing scalable applications with modern web technologies and proficient in version control using Git and GitHub. Passionate about building innovative digital solutions and collaborating in agile, cross-functional teams.

TECHNICAL SKILLS

- **Languages:** Python, SQL
- **Web Technologies:** HTML, CSS, JavaScript, Django, REST APIs
- **Tools & Platforms:** Git, GitHub, MySQL, MS Office, VS Code
- **Core Concepts:** Database Management Systems, Computer Networks, Operating Systems, Cloud Fundamentals, OOP

EDUCATION

B. Tech in Computer Science – Siddartha Educational Academy Group of Institutions, Tirupati	**2021 - 2025 | 83%**
Intermediate (MPC) – Narayana Junior College, Tirupati	**2019 - 2021 | 96%**
Secondary School Certificate (SSC) – Academic Heights Public School, Tirupati	**2018 - 2019 | 95%**

PROJECTS

Automated Parking System using Django | *Django, MySQL, HTML, CSS, JavaScript*
- Developed a scalable web-based parking management system to automate slot booking, vehicle tracking, and fee calculation.
- Solved inefficiencies in manual parking operations by integrating real-time space tracking and automated allocation.
- Improved parking utilization by 40% and reduced manual errors by 70%, showcasing efficient backend logic and UI design.

Multimodal Hate Speech Detection | *Python, scikit-learn, NLTK, pandas*
- Built a machine learning model to detect hate speech from textual and visual data on social media platforms.
- Implemented preprocessing, feature extraction, and model evaluation for robust detection and moderation.
- Achieved 85% accuracy, contributing to safer and more automated content moderation systems.

Portfolio Website | *HTML, CSS, JavaScript, GitHub*
- Created a responsive personal portfolio website to present academic and project achievements professionally.
- Integrated Git for version control and implemented accessibility features for better usability.
- Improved online presence and project visibility by 60% through an intuitive, user-friendly design.

INTERNSHIPS

Data Science Intern
- Extracted actionable insights from real-world datasets using data science tools and techniques.
- Applied Python, pandas, NumPy, and scikit-learn for data preprocessing, model training, and visualization.
- Built models achieving up to 90% accuracy, supporting data-driven decisions and improving analytical workflows.

Web Development Intern
- Contributed to the development of responsive web applications and integrated live APIs for real-time data features.
- Implemented REST API integrations and enhanced user interfaces using JavaScript and CSS animations.
- Delivered fully functional and optimized web apps with improved UI/UX and faster load times.

Cybersecurity Intern
- Identified system vulnerabilities and strengthened network security through penetration testing and threat analysis.
- Utilized Wireshark, Nmap, and Kali Linux to perform security assessments and data packet monitoring.
- Reduced vulnerabilities by 25%, improving the organization's overall security posture and data integrity.

CERTIFICATIONS

- **IBM (edX)** – Data Science, Web Development
- **NPTEL** – Cloud Computing, Deep Learning
- **edX** – SQL, Teamwork & Communication
- **Udemy** – Python and Django Development

SOFT SKILLS

- Adaptable and curious learner with a growth mindset, passionate about adopting new technologies and continuously enhancing technical and interpersonal skills.
- Strong analytical thinker and effective collaborator with excellent communication, teamwork, and problem-solving abilities.