

MADITHATI VINOOTHNA

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[LinkedIn](#) | [GitHub](#) | [Portfolio Website](#)

SUMMARY

Computer Science graduate with a strong foundation in software development, data structures, and problem-solving using Python and SQL. Skilled in modern web technologies, and proficient in version control using Git and GitHub. Adept at problem-solving, debugging, and working in collaborative teams, with a passion for building innovative, customer-focused software solutions.

SKILL SET

- **Languages:** Python, SQL
- **Web Technologies:** HTML, CSS, JavaScript, Django
- **Tools & Platforms:** Git, GitHub, MySQL, MS Office, VS Code
- **Coursework:** Database Management Systems, Software Engineering, Computer Networks, Operation Systems, Cloud Computing, 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

- Designed to automate vehicle parking operations, eliminating manual errors and improving space allocation efficiency.
- Developed a web-based system using Django for backend, MySQL for database management, and HTML, CSS, JavaScript for frontend.
- Increased space utilization by 40% and reduced manual workload by 70%, significantly boosting operational efficiency.

Multimodal Hate Speech Detection

- Aimed to detect and classify hate speech from both text and image data on social media platforms.
- Implemented ML models in Python using scikit-learn, NLTK, and pandas for preprocessing, training, and evaluation.
- Achieved 85% accuracy, enabling faster and more reliable content moderation to maintain safe online environments.

Portfolio Website

- Built to present technical skills, academic projects, and professional achievements in an accessible format.
- Designed and developed a responsive website using HTML, CSS, and JavaScript, integrating Git for version control.
- Enhanced online visibility and networking opportunities, improving professional engagement through LinkedIn.

INTERNSHIPS

Web Development Intern

- Gained hands-on experience in building responsive, interactive web applications.
- Created a Netflix clone and weather application using HTML, CSS, JavaScript, and integrated the OpenWeatherMap API for real-time data.
- Delivered fully functional, responsive apps with improved UI/UX and optimized performance, boosting user experience.

Data Science Intern

- Applied data analysis techniques to derive insights that support informed decision-making.
- Utilized Python, pandas, NumPy, and scikit-learn to process datasets, trained models, and performed exploratory data analysis.
- Built models with 90% accuracy, generating actionable insights that improved decision-making efficiency.

Cybersecurity Intern

- Assessed and improved the security posture of networks and systems.
- Conducted penetration testing and vulnerability assessments using Wireshark, Nmap, and Kali Linux.
- Strengthened system defenses, reduced vulnerabilities by 25%, and ensured more secure environments.

CERTIFICATIONS

- **IBM (edX)** - Data Science, Web Development
- **NPTEL** - Cloud Computing, Deep Learning
- **edX** - SQL, Teamwork and Communication
- **Simplilearn** – Python for Beginners, Excel for Data Analytics

SOFT SKILLS

- Strong problem-solving, analytical thinking, and creativity to develop innovative customer-focused digital solutions.
- Excellent communication, teamwork, adaptability, and time management skills, with proven ability to collaborate effectively, adapt quickly and expand technical expertise.