

MADITHATI VINOOTHNA

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SUMMARY

Detail-oriented and motivated Computer Science graduate with a strong foundation in software development, data structures, and programming, including Python, SQL, Java and C, as well as web technologies such as HTML, CSS, JavaScript, and Django. Adept at version control using Git and GitHub, collaborating in team environments, prioritizing tasks, and continuously upskilling to adapt to evolving technologies. Passionate about building scalable and efficient software solutions with a focus on innovation and digital transformation.

EDUCATION

B. Tech in Computer Science – Siddartha Educational Academy Group of Institutions, Tirupati	2021 – 2025 / 83%
Intermediate – Narayana Junior College, Tirupati	2019 – 2021 / 96%
Secondary School Certificate (SSC) – Academic Heights Public School, Tirupati	2018 – 2019 / 10.0

SKILL SET

- **Programming Languages:** Python, Java, SQL, C
- **Web Technologies:** HTML, CSS, JavaScript, Django
- **Tools:** Git, GitHub, MySQL, Microsoft Office, VS Code
- **Coursework:** Database Systems, Software Engineering, Computer Networks, Cloud Computing
- **Interpersonal Skills:** Communication, Analytical Thinking, Adaptability, Team Collaboration, Creativity

PROJECTS

Automated Parking System Using Django

- Developed a web-based system to automate vehicle parking, reducing manual errors and improving space allocation.
- Increased space utilization by 40% and reduced manual error workload by 70%, thereby improving operational efficiency.
- Used Django, HTML, CSS, JavaScript, and MySQL for back-end and front-end development.

Multimodal Hate Speech Recognition Through Machine Learning

- Implemented machine learning models to identify and classify hate speech across text and visual content.
- Applied Python, scikit-learn, NLTK, and pandas for data preprocessing and model evaluation.
- Achieved 85% classification accuracy and improved moderation efficiency.

My Portfolio

- Created a personal portfolio website to showcase skills and projects.
- Used HTML, CSS, and JavaScript with Git for version control.
- Improved online visibility and engagement on platforms like GitHub and LinkedIn.

INTERNSHIPS

Data Science Intern

- Analyzed data to uncover insights that supported business decisions.
- Used Python, pandas, NumPy, and scikit-learn for analysis and modeling.
- Improved model accuracy by 90% and delivered actionable reports that informed key decisions.

Web Development Intern

- Deployed a Netflix clone and a weather application to practice front-end and API integration.
- Used HTML, CSS, JavaScript, and integrated Open Weather Map API.
- Delivered fully functional apps with improved responsiveness and performance.

Cyber Security Intern

- Identified and addressed security vulnerabilities in systems and networks.
- Used tools such as Wireshark, Nmap, Kali Linux for penetration testing and vulnerability assessments.
- Enhanced system security by 25% through vulnerability detection and recommended security improvements.

CERTIFICATIONS

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

EXTRACURRICULAR ACTIVITIES

- Student Mentor – Guided junior students in programming fundamentals and project building.
- Hackathon Participant – Participated in collaborative hackathons and coding challenges.
- Tech Presenter – Delivered technical papers and poster presentations on digital trends at academic events.