

HEMANTH MADU

Hyderabad, Telangana | +91 9491142102 | hemanthmadu6454@gmail.com

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

PROFESSIONAL SUMMARY

Driven graduate of computer science engineering with a solid background in data structures, programming, and problem-solving techniques. Competent in Python and C, with practical experience in database management, task automation, and structured application development. Possesses a keen eye for detail, a strong analytical mind, and the capacity to pick up new skills and procedures fast. A cooperative team player with strong communication abilities who is ready to support your business by providing scalable, process-driven, and high-quality technology solutions.

TECHNICAL SKILLS

- **Programming:** Python, C, HTML/CSS, JavaScript.
 - **Core Competencies:** Analytical Thinking, Data Structures & Algorithms (DSA), Object-Oriented Programming (OOP), Cybersecurity Fundamentals.
 - **Software & Tools:** MS Office (Excel, Word), VS Code, Git & GitHub.
 - **Data & Databases:** MySQL, MongoDB, Database Schema Design, Data Retrieval Optimization.
 - **Embedded Systems & OS:** Real-Time Operating Systems (RTOS)
 - **Soft Skills:** Leadership, Team Collaboration, Critical Thinking, Problem-Solving, Effective Communication.
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PROJECTS

Web-Based Cloud Data Storage System

- Oversaw the processing and validation of structured data in a manner akin to managing financial transactions.
- To ensure data accuracy and compliance, role-based access control and encryption were used.
- Completed reporting and documentation for system workflows.
- Optimised data handling logic resulted in a thirty percent increase in system efficiency.

Interactive Quiz Application

- Developed backend logic to produce real-time reports by analysing user input. Tracked, reconciled, and validated records using databases.
- Strong analytical skills were demonstrated via optimised queries that resulted in a 40% reduction in data retrieval time.
- In order to satisfy project timelines and quality standards, team members worked together.

Personal Portfolio Website

- Designed and created an adaptable personal portfolio to highlight accomplishments, abilities, and credentials.
 - Using HTML, CSS, and JavaScript, a clean user interface was implemented with organised content.
 - A resume that can be downloaded for a professional presentation, along with integrated GitHub repositories.
 - Using GitHub Pages, the website was deployed to ensure cross-browser compatibility and performance optimisation.
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EDUCATION

Bachelor of Technology – Computer Science and Engineering

PACE Institute of Technology & Sciences, Ongole

2021 – 2025 | **CGPA: 8.63 / 10**

Intermediate (MPC)

Sri Chaitanya Junior College,

Eluru 2019 – 2021 | **Percentage: 78.9%**

Secondary School Certificate (SSC)

Sri Bharathi High School, Eluru

2018 – 2019 | **Percentage: 92%**

CERTIFICATIONS

- **Introduction to Internet of Things** – NPTEL
(*Embedded architecture, communication protocols, real-time systems*)
 - **PCAP: Programming Essentials in Python** – Cisco
(*Structured programming, testing utilities, automation*)
 - **Artificial Intelligence Primer** – Infosys Springboard
 - **Cyber Security Virtual Internship** – EduSkills / Palo Alto Networks
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LEADERSHIP & COLLABORATION

Chair – ACM Student Chapter

- Participated in **technical reviews**, peer code discussions, and documentation activities.
- Assisted juniors in understanding embedded and programming concepts.
- Demonstrated strong teamwork and communication in multi-member technical environments.