

HEMANTH MADU

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PROFESSIONAL SUMMARY

Recent Computer Science graduate with hands-on experience in Python and C from academic projects. Skilled in problem-solving, eager to contribute technical expertise to innovative software development roles.

SKILLS

Programming Languages: C and Python.

Web Technologies: HTML, CSS, and JavaScript.

Computer Science Fundamentals: Object-oriented programming (OOP), Data Structures & Algorithms (DSA), Database Management Systems (DBMS).

Development Tools: VS Code.

Soft Skills: Leadership, Problem-Solving, Critical Thinking, Collaboration.

EDUCATION

PACE Institute of Technology & Sciences, Ongole, Andhra Pradesh

Bachelor of Technology, Computer Science and Engineering | CGPA: 8.56/10 | 2021 – 2025

Sri Chaitanya Junior College, Eluru, Andhra Pradesh

Intermediate (MPC, State Syllabus) | Percentage: 78.9% | 2019 – 2021

Sri Bharathi High School, Eluru, Andhra Pradesh

Secondary School Certificate (SSC) | Percentage: 92% | 2018 – 2019

PROJECTS

Web Cloud Data Storage System

Technologies: Java (J2EE), JSP, Servlets, JavaScript, MySQL

- Architected a scalable cloud storage platform with **CP-ABE (Ciphertext-Policy Attribute-Based Encryption)** for enhanced data security.
- Implemented end-to-end encryption mechanism reducing unauthorized data access by 95%.
- Optimized multi-threaded request handling, improving system performance by **30%**.
- Developed cross-platform solution supporting seamless user data management.

Interactive Quiz Application

Technologies: Node.js, Express.js, MongoDB, JavaScript

- Engineered real-time quiz platform with dynamic scoring algorithm.
- Developed responsive backend reducing query response time by **40%**.
- Implemented user engagement features increasing platform interaction by **30%**.
- Utilized MongoDB for efficient data management and scalable architecture.

CERTIFICATIONS

- Artificial Intelligence Primer Certification** – Infosys Springboard | January 2024
- PCAP-Programming Essentials in Python** – Cisco | March 2023
- Introduction to Internet of Things** – NPTEL | January – April 2024
- Cyber Security Virtual Internship** – EduSkills (Palo Alto Cybersecurity Academy) | Dec 2022 – Feb 2023

ACHIEVEMENTS & LEADERSHIP

- Chair of ACM (Association for Computing Machinery) Student Chapters**, leading multiple tech initiatives at PACE Institute of Technology & Sciences.
- Inter-Autonomous College Sports Event Finalist**, represented PACE ITS in the **Relay Race**.

HOBBIES

- Technical Volunteering and Cooking.

SELF DECLARATION

I hereby declare that the above-furnished information is true to the best of my knowledge.