

Manmיתה Chowdary A

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SKILLS

- **Languages:** Python, C++, JavaScript, C
- **Frameworks:** HTML and CSS
- **Tools/Platforms:** MySQL, AWS
- **Core CS Fundamentals:** DBMS, OS, SQL, OOPs Concept
- **Soft Skills:** Problem-Solving, Quick Learner, Time Management, Collaboration, Adaptability.

PROJECTS

- Mental Health Stimulator | GitHub

July 2025

- Designed a console-based Mental Health Companion using C++ with structured OOP modules and STL.
- Implemented mood tracking, quote generation, guided breathing, and gratitude journaling backed by file persistence.
- Applied vectors, maps, queues, file streams, and multithreading to build real-time interactive features.
- Solved input buffer issues and improved user experience through robust handling and modular design.

Tech Stacks: C++, DSA, OOP

- AI Currency Exchange Advisor | GitHub

April 2025

- Developed an AI-powered chatbot for electrical fault detection using machine learning and image processing.
- Implemented modules for fault classification, severity analysis, and automated troubleshooting.
- Integrated AR-based repair guidance and IoT monitoring for real-time diagnostics.
- Designed a scalable multi-platform architecture including mobile app, web dashboard, and industrial monitoring systems.
- Enhanced safety by enabling early detection and minimizing human error in manual inspections.

Tech Stacks: AI, ML, IOT, Cloud APIs

TRAINING

- Cipher Schools:

June 2025 – July 2025

- Applied C++ and Object-Oriented Programming (OOP) concepts to design and build modular, reusable programs that followed industry-standard coding practices.
- Collaborated closely with mentors to review, refine, and optimize C++ code, gaining hands-on experience with debugging, best practices, and code quality improvement.
- Executed multiple OOP-based mini projects during the internship, demonstrating practical understanding of classes, objects, inheritance, and other core concepts.

Tech Stacks: C++, OOP, STL, Data Structures & Algorithms, File Handling, Memory Management, Exception Handling

CERTIFICATES

- Computational Theory: Language Principle & Finite Automata Theory - Infosys Springboard | [Link](#) Aug 2025
- AWS Cloud Foundations - AWS | [Link](#) May 2025
- Introduction To Internet of Things - NPTEL | [Link](#) Apr 2025
- Introduction to Hardware and Operating Systems – IBM | [Link](#) Sep 2024

ACHIEVEMENTS

- Earned the AWS Academy Graduate – Cloud Architecting Training Badge, completing 60 hours of hands-on cloud architecture training and demonstrating strong foundation in designing scalable AWS solutions. Jan 2026
- Awarded the AWS Cloud Foundations badge, validating knowledge in cloud architecture, security, and AWS platform fundamentals. May 2025

EDUCATION

- Lovely Professional University

Phagwara, Punjab

August 2023- Present

Bachelor of Technology - Computer Science and Engineering; CGPA: 6.44

- Maharishi International Residential School

Sriperumbudur, Tamil Nadu

Intermediate: Percentage: 64% April 2022 - March 2023

- Emmaus Swiss High School

Palamaner, Andhra Pradesh

Matriculation: Percentage: 82% April 2020 - March 2021