

# Manmitha Chowdary A

LinkedIn: [www.linkedin.com/in/manmitha-chowdary](https://www.linkedin.com/in/manmitha-chowdary)  
GitHub: <https://github.com/Manmitha03>

Email: [manmitha03@gmail.com](mailto:manmitha03@gmail.com)  
Mobile: +91-7842118675

## 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  
*Bachelor of Technology - Computer Science and Engineering; CGPA: 6.44* August 2023- Present
- 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