

Gathala Benny Thomas

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Profile Summary

Final-year Computer Science undergraduate with strong foundation in **algorithms, operating systems, networking, and applied AI/ML**. Experienced in **C, Java, Python**, and comfortable with **Unix/Linux environments**. Built projects spanning **distributed systems, scalable web applications, and deep learning solutions**. Skilled in **problem-solving, collaboration, communication**, and **continuous learning**; eager to tackle large-scale engineering challenges and contribute to impactful products.

Technical Skills

Programming: C, Java, Python

Systems & Tools: Unix/Linux (CLI), Git, GitHub

AI/ML: Scikit-learn, TensorFlow/Keras, Pandas, NumPy, Matplotlib

Web & Databases: Flask, Django, React.js, HTML/CSS, SQLite, MySQL, REST APIs

Soft Skills

Problem Solving | Teamwork | Communication | Adaptability | Continuous Learning

Projects

Robust Intelligent Malware Detection

Python, CNN, LSTM, NumPy

- Designed a malware classification system using deep learning (CNN & LSTM).
- Trained and evaluated models on large-scale malware image dataset (**malimg.npz**).
- Compared with ML baselines, achieving improved detection accuracy and scalability.

Agriculture Helper Chatbot

Python, Flask, NLP, AJAX

- Built an AI-powered chatbot to provide agricultural guidance to farmers.
- Implemented TF-IDF based text classification and ML models for query response.
- Deployed a web-based interface with real-time messaging using Flask + AJAX.

Birthdays (CS50x Project)

Flask, SQLite

- Developed a CRUD-based web application to manage birthdays.
- Practiced backend database design, routing, and integration.

Attendance Tracker (CS50P Project)

Python, OOP

- Command-line attendance management system leveraging OOP and CSV handling.

Education

B.Tech in Computer Science and Engineering

2022 – 2026

Malla Reddy College of Engineering, Hyderabad | CGPA: 7.6

Relevant Coursework: Data Structures & Algorithms, OOP (Java), OS, DBMS, CN, Web Dev, AI/ML

Intermediate (MPC)

2020 – 2022

Sri Chaitanya Junior Kalasala | 90%

SSC

2020

Nava Jyothi High School | GPA: 10.0

Certifications

- CS50x – Introduction to Computer Science (Harvard – edX)
- CS50P – Introduction to Python (Harvard – edX)
- CS50 Web – Web Programming with Python & JavaScript (Harvard – edX)

Achievements

- 2nd Place – AI Chatbot Competition, AI Club, MRCE (2025)
- Paper Presentation – VISISTA 2K25 Tech Fest
- Participant – Tata Imagination Challenge 2024
- Workshop – Generative AI (MRCE CSE Dept, 2024)
- Azure Dev Day Bootcamp – Microsoft Azure Dev Community (2024)

Languages

English (Fluent), Telugu (Native), Hindi (Conversational)