

Gathala Benny Thomas

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Profile Summary

Self-motivated Computer Science undergraduate with a solid foundation in full-stack web development, Python, and applied AI/ML concepts. Completed Harvard's CS50x and CS50P courses, showcasing hands-on problem-solving skills through real-world projects like intelligent malware detection and chatbot systems. Passionate about building impactful, user-focused solutions and continuously upgrading skills.

Technical Skills

- **Languages:** Python, C, Java (Basics), JavaScript
- **Web:** HTML, CSS, Flask, React.js (familiar), Node.js (familiar), Django (familiar)
- **Databases:** SQLite, MySQL, REST APIs
- **AI/ML:** Scikit-learn, Pandas, NumPy, Matplotlib
- **Tools:** Git, GitHub, Linux (CLI), VS Code
- **Soft Skills:** Problem Solving, Teamwork, Communication, Self-learning

Projects

Robust Intelligent Malware Detection using Deep Learning

- Built a malware detection system leveraging supervised learning techniques to classify malicious and benign software.
- Applied data preprocessing, feature engineering, and trained classifiers using Scikit-learn for high accuracy.
- Tools: Python, NumPy, Pandas, Scikit-learn, Matplotlib

Agriculture Helper Chatbot

- Designed a Flask-based chatbot to assist farmers with real-time answers on crop care, climate conditions, and general advice.
- Integrated front-end interface with basic NLP logic and query handling modules.
- Tools: Python, Flask, HTML/CSS, NLP (basic)

Birthdays Improved – CS50x Final Project

- Developed a full-stack app for birthday tracking with login, real-time countdown, and persistent data using SQLite.
- Adapted interface and backend flow from CS50's Finance and Birthdays sets.
- Tools: Flask, HTML/CSS, Jinja, SQLite

Attendance Tracker – CS50P Final Project

- CLI-based system to record and evaluate attendance data, supporting detailed stats and reports.
- Built with test-driven development using Pytest for modular reliability.
- Tools: Python, Pytest

Education

B.Tech in Computer Science and Engineering (2022–2026)

Malla Reddy College of Engineering, Hyderabad | CGPA: 7.6

Relevant Coursework: DSA, Python, OOP (Java), OS, DBMS, CN, Web Dev, AI/ML, MAD, DevOps

Intermediate (MPC), Sri Chaitanya Junior Kalasala – 90% (2022)

SSC, Nava Jyothi High School – 10.0 GPA (2020)

Certifications

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

Achievements & Events

- 2nd Place – AI Chatbot Competition, AI Club, MRCE (Mar 2025)
- Paper Presentation – VISISTA 2K25, MRCE Tech Fest
- Tata Imagination Challenge 2024 – Student Track Participant
- Workshop on Generative AI – MRCE CSE Dept (Oct 2024)
- Azure Dev Day Bootcamp – Microsoft Azure Dev Community (Sept 2024)
- IEEE Xplore Webinar – MRCE
- Hackathon Participation – multiple internal events
- Blind Coding Event – Technical Fest, MRCE
- Infosys Springboard – Maker Lab on Wheels, Sep 2024 Batch

Languages

- English – Fluent
- Telugu – Native
- Hindi – Conversational