

BALAGONI SOWMYA

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EDUCATION

Sphoorthy Engineering College, Hyderabad
Cyber security. CGPA-8.16

Expected May 2026

Sri Aakash Junior College, Hyderabad
Intermediate, percentage-85.90%

March 2022

PROJECTS

AI Agent

- Designed and developed an AI-based autonomous agent to perform task-oriented decision-making using Machine Learning and NLP techniques.
- Implemented task automation and workflow orchestration using Python
- Implemented goal-based reasoning and environment interaction enabling the agent to adapt to dynamic inputs.

Academic Results Data Analysis Project

- Analyzed semester-wise academic performance data using Power BI.
- Created interactive dashboards with filters for semester, subject, and student performance.
- Visualized key metrics like pass percentage, failure rate, average marks, and top performers.
- Cleaned and processed raw result data using Excel before importing into Power BI.
- Enabled data-driven insights for students and faculty to understand academic trends.
- Improved readability and decision-making using effective data visualization techniques.

Enhancing security in online browsing environments

- Developed a system aimed at enhancing online browsing environments by improving user experience, security, and performance.
- Implemented AI-based techniques to detect and reduce malicious or unsafe web activities.
- Improved browsing environment efficiency by optimizing content filtering and response handling.
- Focused on enhancing user safety and data privacy during online browsing.
- Designed features to reduce distractions and harmful content exposure.

WORK EXPERIENCE

2025 — Data Analytics Job Simulation (Deloitte via Forage)

Completed practical tasks in data analysis and forensic technology, gaining hands-on experience in business analytics and data-driven problem solving methodologies.

2025 — AICTE-Cybersecurity Internship.

Completed the AICTE Cybersecurity Internship, where I learned fundamental concepts of network security, threat analysis, and security best practices.

SKILLS

Programming Languages: Python (Basic), SQL (Basic)

Cloud: Cloud Computing Basics

Database: MySQL

Language: Proficient in English, Telugu

Soft Skills: Good Communication, Team Player, Problem Solving, Quick Learner

