

Sahana Balaji

East Lansing, MI | balajis3@msu.edu | (517) 515-8982 | [LinkedIn](#) | [My Website](#) | [GitHub](#)

EDUCATION

Michigan State University | *Bachelor of Science, Computer Science* *East Lansing, MI* | **Expected: 05/2026**

- Honors College
- GPA: 4.0 - Dean's List
- Minor in Data Science

EXPERIENCE

Sterling Software | *Python Intern* *Dubai, UAE* | **08/2021 – 09/2021**

Tech Stack: Python, CSV files, Microsoft Excel

- Discovered the reason phishing emails were being sent from various email domains to the company; fixing this allowed the system to run more smoothly
- Resolved the problem by segregating the email IDs of approximately 3 million emails whose details were stored in an excel sheet into authentic and spam email domains by the combined utilization of python code and CSV files
- Aided in reducing the possibilities of systems slowing down due to phishing emails by 40%

PROJECTS

Flight Management System | *Project Delegate* *Dubai, UAE* | **02/2022**

Tech Stack: Python, MySQL, CSV files

- Programmed an interactive admin flight management interface and a flight ticket booking interface for the users (deletion, display, updation, modification, addition) and the details of the international and domestic flights were stored in CSV files which were retrieved in Python
- Created a feedback system which would store the feedbacks received in MySQL and gives admin the provision to manage the data in different ways such as deleting old(replied) feedbacks, updating the status of feedbacks, displaying the feedbacks between specific time periods

Mall Management System *Dubai, UAE* | **05/2021**

Tech Stack: Python

- Developed an online shopping system, movie ticket booking system, online food ordering system and various other miscellaneous operations which are usually present in a usual offline mall using Python
- Employed a menu-driven program and various modules such as random, PrettyTable and Math module to make the programming experience smoother

AWARDS

- **UAE Golden Visa, UAE Government** – Awarded under the category of “Outstanding Students” for academic excellence in Grade 12 Board Examinations
- **Exceptional Achiever Award 2022, Yalla Schools** – For securing 96.4% in Grade 12 AISSCE Board Examinations
- **GCC Mathematics Subject Topper 2020, The Indian High School** – For securing 100% in Grade 10 AISSCE Board Examinations

SKILLS

Programming Skills

- **Intermediate:** Python, MySQL, MS Office, HTML, CSS

Languages Known

- **Proficient:** English, Tamil, Hindi
- **Intermediate:** Arabic

EXTRACURRICULAR ACTIVITIES

Spartan Hackers, Women in Engineering | *Active Member* *East Lansing, MI* | **09/2022 – Present**

- Attended weekly meetings and discussed about the skills required for web development, cybersecurity management, Python programming and practiced some of the key elements.
- Part of the Mentor-Mentee program of Women in Engineering Club

Career Cohort | *Active Participant* *East Lansing, MI* | **10/2022 – 11/2022**

- Constructed resume–building, interview– taking, profile–building, communication, and networking skills