**Mikiyas Aregawi Bahre**

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**EDUCATION AND TRAINING**

**SRM University AP Guntur, Andhra Pradesh, India**

*BSc. in Computer Science Expected Graduation, May 2025*

* **Concentrations:** Programming,Web Development, Game Development and Algorithms
* **Current SGPA:** 8.26/10.0
* **Related Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Computer Organization & Architecture, Digital Literacy, Mathematical Modelling of Physical Data, Android App development, Database Management Systems

**PROJECTS**

**Detail Assembly Drawing Andhra Pradesh, India**

*Team Leader October 2022*

* Designed an Isomeric drawing of Bushed-pin type flange coupling using Solidworks.
* Designed a 3D and exploded view of the design.

**Election Management System Andhra Pradesh, India**

*Team Leader April 2023*

* Designed and implemented an Election Management System using the C programming language.
* Implemented functions: castVote() enables secure candidate selection, votesCount() offers transparent tallying, and getLeadingCandidate() tracks leading candidate(s) in real-time.

**Student Management System Andhra Pradesh, India**

*Team Member April 2023*

* Developed a Student Management System Using Doubly Linked List .
* Provided functionalities such as adding, removing, searching, and displaying student details based on department or course

**Bus Management System Andhra Pradesh, India**

*Team leader November 2023*

* Developed a Bus management system app using C++.
* Modelled the basic functions of booking a bus.

**Digital Clock With Alarm Andhra Pradesh, India**

*Team Member November 2023*

* Developed Digital Clock With Alarm using C++.
* Implemented a user-friendly interface allowing users to set the time and alarm easily.
* Integrated sound notifications for the alarm using appropriate audio libraries in C++.

**Optimal Sequence Alignment Andhra Pradesh, India**

*Team Member November 2023*

* Developed an optimal sequence alignment program using Python.
* Proficient in utilizing the Needleman-Wunsch algorithm for optimal global sequence alignment in bioinformatics applications.

**Library Management System Andhra Pradesh, India**

*Team Member March 2024*

* Developed a Desktop Library management system app using Java Swing.
* Designed a database that retrieves books and student details using mySql.
* Designed a front-end graphics interface.

**Android Calculator App Andhra Pradesh, India**

*Team leader May 2024*

* Developed an android calculator app using android studio.
* Designed a user-friendly interface with intuitive button layout for ease of use.
* Integrated error handling mechanisms to encounter mistakes.

**Interactive Tic-Tac-Toe Game Andhra Pradesh, India**

*Prodigy InfoTech June 2024*

* Developed User vs. User and User vs. CPU options with selectable difficulty levels.
* Integrated SVG animations for a visually engaging game board and ensured responsiveness across devices.
* Implemented real-time game logic for player turns, win conditions, and status updates using JavaScript and local storage.

**Stopwatch Web Application Andhra Pradesh, India**

*Prodigy InfoTech June 2024*

* Developed a responsive web application to track elapsed time with precision up to milliseconds.
* Implemented Start/Stop, Lap recording, and Reset functionalities for accurate time monitoring.
* Integrated a Night Mode feature for enhanced visibility in low-light conditions.
* Utilized HTML, CSS, and JavaScript to create a user-friendly interface with real-time updates.

**SKILLS**

**Programming:** C++, C, Java, Python, Assembly, LaTeX, Html, SQL

**Tools:** Android Studio, Microsoft Office Suite, Overleaf LaTeX, Solidworks

**REFERENCES**

Dr. Subhankar Ghatak

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