**AARTHI SOWMYA MYLAVARAM**

(She/her)

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**EDUCATION**

**Pace University, Seidenberg School of Computer Science and Information Systems** New York, NY

Master of Science in Information Science | **GPA: 3.67**

**Muffakham Jah College of Engineering and Technology** Hyderabad, Telangana

Bachelor of Engineering in ECE | **GPA: 3.20** June 2023

**RELEVANT COURSEWORK**

React JS | JavaScript | HTML & CSS | Bootstrap | Software Engineering | Python Programming | Machine Learning | Data Structures | Database Management Systems | C++ Programming | AI Prompt Engineering

**TECHNICAL SKILLS**

**Programming Languages: Python, JavaScript, C++, C**

**Frontend Development: HTML, CSS, JavaScript, React.js, Bootstrap**

**Backend Development: Python, SQL**

**Libraries & Frameworks: React.js, Pandas, NumPy, Matplotlib, Django, jQuery**

**Database Management: MySQL**

**Software / Tools: Microsoft Project, Canva, Visual Studio Code, GitHub, Figma**

**Operating Systems: Windows, Linux, macOS**

**ACADEMIC PROJECTS / PERSONAL PROJECTS**

**Chat Application** *May 2020 – June 2020*

* Built a secure messaging app using **React.js** and **Firebase**, integrating real-time communication with end-to-end encryption for user privacy.
* Implemented responsive UI and authentication mechanisms, ensuring seamless user experience and data security.

**ML Model for Prediction of House Prices in Boston** *Feb 2021 – March 2021*

* Developed a machine learning model using **Python**, **Scikit-learn**, and **pandas** to accurately predict house prices.
* Conducted data preprocessing, feature engineering, and visualized insights with **Matplotlib** and **Seaborn**.

**Excel Clone** *May 2022 – Dec 2022*

* Designed a responsive front end for an Excel clone using **jQuery**, **HTML**, and **CSS**, with features like cell formatting and formula support.
* Enhanced user accessibility by incorporating keyboard shortcuts and cross-browser compatibility.

**Smart Ringing Bell** *Dec 2022 – Feb 2023*

* Created an automated bell system using **IR sensors**, **Arduino**, and **C++**, minimizing physical contact during the COVID-19 pandemic.
* Programmed motion detection and schedule-based triggers, ensuring accurate and efficient operation.

**Smart Water Quality Monitoring System** *Jan 2023 – May 2023*

* Designed a real-time water monitoring system with **IoT sensors**, **Raspberry Pi**, and a **custom dashboard**, analyzing metrics like pH and turbidity.
* Collaborated with the **Hyderabad Municipality Corporation** to ensure community-wide implementation and improved water quality management.

**PROFESSIONAL EXPERIENCE**

**Aces Pvt ltd** Hyderabad, Telangana

Web DeveloperJune 2022 – September 2022

* Engineered a React.js and Tkinter-based Tableau clone, achieving a 75% functional replication and delivering an intuitive user interface.
* Significantly contributed to project success, driving increased efficiency and user satisfaction.

**The Entrepreneurship Network** Hyderabad, Telangana

UI/UX DesignerDecember 2021 – March 2022

* Spearheaded designing and developing websites and mobile applications for startups, resulting in a noteworthy 20% surge in user engagement.
* Facilitated a 15% enhancement in client acquisition through strategic UX improvements.
* Successfully reduced bounce rates by 25%, contributing to an impressive 30% growth in overall user satisfaction.

**CERTIFICATIONS**

* AI Developer Specialization – IBM (Coursera) | Completed: November 2024
* Web Development Program – Internpreneur 2021 | Grade: A | Completed: June 2021
* Python and Machine Learning Bootcamp – Shape AI (Recognized by Developer Students Club BIT Mesra, GDG Ranchi Google Developers) | Completed: December 2020

**LEADERSHIP**

**Team Signature,** Team Lead June 2012 – May 2023

* Directed and guided a specialized team through diverse projects and workshops, fostering a collaborative learning environment.
* Provided mentorship to junior members, significantly contributing to their professional development.

**ACTIVITIES / VOLUNTEER WORK / ADDITIONAL TRAINING**

An engaged participant in both the IEEE club and Street Cause, actively contributing to community-driven initiatives and cultivating a collaborative team environment.

**LANGUAGES**

Fluent in English, Telugu, Hindi, with partial proficiency in French.