

SULAKSHANA MUCHELI

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SUMMARY

1. Master's in Computer and Information Sciences with strong programming skills (C, C++, Java) and expertise in web development frameworks (Node.js, Express.js, .NET).
2. Accomplished UI/UX developer, contributing to a 15-30% improvement in user satisfaction. Recent AT&T externship enhanced skills in Agile Management, REST, and Algorithms.
3. Leadership roles as IEEE Computer Society Interface Lead and VIVAAN Society Event Organizer, driving improvements in design quality and vendor satisfaction.
4. Led impactful projects, including a user-friendly vendor application and implementing graph-based machine learning for smart vehicle cybersecurity.
5. Published research on machine learning algorithms for women's safety in Indian cities. Eager to apply skills and passion in a dynamic professional role.

EDUCATION

Texas Tech University

Master's, Computer Science

GPA: 3.6

- The Edward E. Whitacre Jr. College of Engineering awarded me a \$1,000 scholarship for my academic year.

GITAM University

Bachelor's, Computer Science

June 2018 - April 2021

GPA: 3.5

PROFESSIONAL EXPERIENCE

AT&T

Extern

Remote

June 2023 - August 2023

- During this immersive externship, I'll work closely with AT&T's talented team to gain hands-on experience in cutting-edge technologies and telecommunications
- As an extern, I'll be learning from industry experts and collaborating with industry professionals, and developing essential skills for my future career.

verzeo

Web development intern

Remote

June 2021 - August 2021

- Developed and implemented front-end designs for multiple products, resulting in a 20% increase in user engagement and a 15% decrease in bounce rate.
- Collaborated with cross-functional teams to integrate APIs into front-end frameworks, ensuring seamless functionality across various mobile and desktop platforms.
- Utilized dynamic charting libraries such as D3.js to create visually appealing and interactive data visualizations, resulting in improved user understanding of complex information by 30%.

PROJECTS & OUTSIDE EXPERIENCE

Onlinelpk12 learning platform

Frontend developer

January 2024 - Present

- The research examines the effectiveness and user experience of an existing well-designed web application for the online delivery of course materials
- We investigate how the platform's design and features influence user engagement, knowledge retention, and overall learning outcomes
- By conducting user surveys, analyzing usage patterns, and assessing learning outcomes, we aim to provide insights into the strengths and weaknesses of the application
- This research contributes to the ongoing enhancement of online education platforms, offering valuable guidance on optimizing design and functionality to foster more efficient and engaging learning experiences for students in diverse educational settings.

SKILLS

Skills: HTML/CSS, Java, C/C++, Python, Agile, Power BI, MySQL, REST APIs, Express.js, Node.js, NoSQL, Postgres, Postman

PUBLICATIONS

Using Different Machine Learning-Based Algorithms on Tweets For Analyzing Women's Safety In Indian Cities.

<https://jespublication.com/upload/2022-V13I388.pdf>