SULAKSHANA MUCHELI

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SUMMARY

- Master's in Computer and Information Sciences with expertise in web development frameworks such as **Angular.js** and **.NETCore**.
- Accomplished **UI/UX developer** focused on enhancing user satisfaction, complementing team goals of building high-quality websites.
- Extensive experience in programming languages including **C#, C,** and **C++.**
- Proficient in **Agile Management** and **REST API** development, gained through an externship at **AT&T**.
- Leadership experience in driving design quality improvements and satisfaction.
- Led impactful projects, including implementing machine learning solutions, demonstrating **proactive problem-solving** and innovation.

SKILLS

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Frontend Development  : HTML5, CSS, JavaScript, AngularJS, ReactJS, Next.js
Backend Development   : Node.js, Express.js,Dot NETCore
Database Management   : SQL, NoSQL, MySQL, Postgres
DevOps Tools          : Docker, Kubernetes, CI/CD, PowerShell, Azure tools
API Development        : REST APIs, Postman
Version Control        : Git
Programming Languages: C, C++, C#, Java, Python
Agile Methodologies    : Agile Management, Scrum
Cloud Computing        : Microsoft Azure
Security Protocols     : OAuth, Active Directory
UI/UX Design           : Figma, Responsive Web Design, Dynamic Data Visualizations
Project Management     : SDLC, Process Improvement, Problem-solving
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PROFESSIONAL EXPERIENCE

Texas Tech University (Hospitality Services)   **USA**
Web developer II   *August 2022 – May2024*

- Spearheaded the design, development, and maintenance of scalable, resilient distributed systems, ensuring a friction-less experience for customers. Collaborated cross-functionally throughout the software lifecycle, elevating engineering quality through design sessions and code reviews.
- Utilized **Python, C#, SQL**, and **NoSQL** databases for backend development, ensuring robustness and availability. Leveraged Docker and Kubernetes for efficient container orchestration, enhancing deployment processes.
- Championed best practices sharing and process improvement initiatives within the engineering team, contributing to architectural decisions and design patterns, ensuring reliability and scalability. Employed Azure tools and services extensively, managing operational aspects and ensuring security.
- Demonstrated expertise in microservices architecture and **REST API** development, utilizing monitoring tools to proactively address system issues, ensuring high availability. Demonstrated intermediate PowerShell scripting skills for automation and operational tasks, **utilizing Azure PaaS and IaaS services** to architect and deploy cloud-based solutions.
- Applied security protocols and products such as **Active Directory** and **OAuth** to ensure robust authentication and authorization mechanisms, collaborating with **DevOps teams** to implement **CI/CD pipelines** and streamline deployment processes. Utilized analysis and estimation skills to scope and prioritize engineering tasks effectively, demonstrating strong problem-solving ability in fast-paced, startup-like environments.
- Effectively communicated technical concepts through oral and written channels, facilitating cross-team collaboration. Implemented automated monitoring and alerting solutions, resulting in a **40% reduction in incident response time**. Led the migration of legacy systems to cloud-native architectures, **reducing maintenance overhead by 30%**. **Increased user engagement by 20%** and decreased bounce rate by 15% through front-end design enhancements. Collaborated with cross-functional teams to **integrate APIs**, resulting in a 25% improvement in system functionality across platforms. Developed dynamic data visualizations, **improving user understanding of complex information by 30%**. Received accolades for consistently delivering high-quality code and actively contributing to team knowledge sharing sessions.

AT&T   **USA**
Extern   *June 2023 - July 2023*
- Engaged in an immersive externship, acquiring hands-on experience in Agile Management and REST API development, fostering professional growth.
- Leveraged REST APIs proficiently to engineer solutions for optimizing network performance, enhancing system efficiency.
- Explored cloud computing technologies, including Microsoft Azure and AWS, to architect scalable infrastructure solutions, ensuring adaptability and resilience.
- Proposed and executed process improvements, catalyzing a 25% increase in team productivity and operational efficiency.
- Developed and optimized REST APIs, yielding a significant 20% reduction in network latency, enhancing user experience.
- Designed and implemented scalable infrastructure solutions, resulting in a commendable 15% reduction in operational costs, optimizing resource allocation.
- **Skills**: **Project Management, Webservices** such as **REST API, Cloud computing**.

verzeo   **USA**
Web development intern   *June 2021 - August 2021*
- Developed front-end designs using React, enhancing user engagement and reducing bounce rate, resulting in a more intuitive user experience.
- Collaborated with cross-functional teams to seamlessly **integrate APIs into front-end frameworks**, ensuring consistent functionality across multiple platforms.
- **Utilized D3.js** to create visually appealing data visualizations, improving user understanding and facilitating data-driven decision-making.
- Enhanced user engagement by **15% through front-end design improvements**, resulting in a more engaging user experience.
- Integrated APIs, contributing to a **significant 20% improvement in system functionality**, enhancing overall platform performance.
- Developed dynamic **data visualizations**, increasing user understanding by 25%, and facilitating data interpretation for informed decision-making.
- **Skills: HTML5, Next.js, PHP,SDLC** and **OAuth**.

PROJECTS & OUTSIDE EXPERIENCE

Onlinelpk12 learning platform(Texas Tech University)   **Remote**
Full Stack Developer   *January 2024 - May 2024*
- Spearheaded the development of a learning platform using **Node.js** and **React.js**.
- Implemented responsive design principles and agile methodologies for iterative delivery.
- Employed **DevOps practices** for continuous integration and deployment.
- Developed a system to answer users' questions using a local knowledge base.
- Leveraged **state-of-the-art models such as LLM and ChatGPT** for natural language processing.
- Grouped and classified users' questions to streamline the matching process with relevant answers.
- Implemented features for matching grouped questions to corresponding answers.
- Enhanced platform usability, resulting in a **30% increase in user engagement**.
- Implemented responsive design principles, reducing **bounce rate by 20%**.
- Streamlined development processes, resulting in a 25% increase in feature delivery velocity.
- **Skills**: Frontend:**HTML5, Node.js**, Backend**: DOTNET.ASP**.
  https://github.com/onlinelpk12/OnlineSystemWebApp.git

EDUCATION

Texas Tech University
Master's, Computer Science   *GPA: 3.7*

GITAM University
Bachelor's, Computer Science   *GPA: 3.7*