

SAMSON TADESSE

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EDUCATION

Southwest Minnesota State University

Bachelor of Computer Science - minor in Data Science

- **Relevant Courses:** Data Structures and Algorithms, Machine Learning, Web Development, Computer Networking, Database Systems
- **Certifications:** AWS DevOps Certified Engineer and Cisco Certified Network Associate

WORK EXPERIENCE

System Engineer Intern – SWBC

May 2023 – Aug 2023

- Provided 2nd-level application support for internal systems and databases, resolving 95% of tickets within SLA and improving user satisfaction.
- Planned, tested, and deployed software upgrades and security patches (including weekend and after-hours), ensuring seamless roll-out with zero downtime.
- Developed and maintained detailed documentation, runbooks, and user training materials for both new and legacy applications.
- Collaborated with stakeholders and external vendors to troubleshoot integration issues and implement custom enhancements.
- Automated routine maintenance tasks using Python and Shell scripting, reducing manual effort by 20% and boosting system reliability.

Web Developer – Enactus Club SMSU

May 2022 – Jul 2022

- Developed and launched the official Enactus Club website, boosting online visibility and member engagement by 30%.
- Integrated social media feeds and event calendars, increasing user interaction by 20%.
- Implemented SEO best practices, driving a 30% increase in website traffic within three months.
- Regularly updated website content, maintaining a 98% uptime and ensuring platform reliability.

PROJECTS

Manbiluz.com

Django - JavaScript - HTML - CSS

- Developed and deployed a responsive e-commerce website for a local coffee business, optimizing the user experience and increasing online sales by 20%.
- Utilized Django for back-end development and JavaScript for front-end, ensuring seamless integration of payment gateways and order management systems.

SMSU Restaurant

Django - MySQL - JavaScript - HTML

- Led back-end development using Django and managed the database with MySQL, providing efficient functionality for reservations, order processing, and menu management.
- Collaborated with front-end developers to implement a user-friendly interface, resulting in a 30% increase in operational efficiency for the restaurant.

Stock Price Prediction Model

Scikit-learn - TensorFlow - Python — Matplotlib

- Created a machine learning model using Scikit-learn and TensorFlow to predict stock prices based on historical data, achieving a 15% improvement in prediction accuracy compared to baseline models.
- Visualized prediction results with Matplotlib and Seaborn, delivering clear insights to stakeholders.

Blood Donation Safety Analysis

PySpark - SQL - Python

- Preprocessed and analyzed the HCV dataset using PySpark SQL, applying classification algorithms to predict blood donation safety for Hepatitis C patients.
- Achieved 92% accuracy in predicting safe donations, providing actionable insights for healthcare professionals.

LEADERSHIP

Lead Web Developer - Enactus Club SMSU

- Led the development of the official Enactus Club website, managing a team of developers and increasing member engagement by 30%.
- Coordinated timelines and ensured project delivery within schedule, while also mentoring junior developers.

TECHNICAL SKILLS

Languages: Python, Java, SQL, JavaScript, PHP, CSS

Frameworks & Libraries: React, Bootstrap, Django, TensorFlow, Scikit-Learn, PySpark SQL, jQuery, Tailwind CSS, Node.js

Cloud & DevOps: AWS, Azure, Docker, Kubernetes, CI/CD Pipelines

Tools & Technologies: JIRA, Confluence, Git & Version Control, Jenkins, Shell Scripting, Application Support & Troubleshooting, Vendor Collaboration

Machine Learning & Data Science: Model Development, Data Preprocessing, Regression & Classification Algorithms, Data Visualization (Matplotlib, Seaborn)

Soft Skills: Team Collaboration, Project Management, Problem-Solving, Technical Documentation, User Training