Tesfaye Belay Yetbarek

🌐 https://www.linkedin.com/in/tesfaye-belay-615464201

@ tessbel77@gmail.com

+1 (216) 612-2226

📍 1941 Oak Leaf ln, Holmes, PA, USA

Education Pursuit

Currently enrolled in Ms. in Information Technology Management, Actively shaping my future through advanced studies. Driven by a passion for innovation and continuous learning.

Education

Cumberland University, Tennessee   Jan 2024 - Present
Ms. Information Technology Management

Case Western Reserve University, Cleveland   Aug 2023 - Dec 2023
Ms. Computer Science

Jain University, *Bengaluru*   Sep 2019 - June 2023
B.Tech in Computer Science and Engineering

Projects

Research Project - Sentimental Analysis of Amazon Reviews
- Led a high performance computing research project in sentiment analysis for Amazon's "Industrial and Scientific" reviews, leveraging cutting-edge technologies like CUDA, Docker, and RoBERTa for advanced NLP comprehension.
- Mentored team members in data wrangling, developing a user-friendly Gradio interface, and visualizing model performance, fostering a collaborative and efficient work environment.
- Demonstrated the transformative power of data science, NLP, and machine learning in extracting valuable insights from text data, resulting in informed business decisions and enhanced customer experiences in e-commerce.

Published Project Topic - Penetration Testing to Investigate Security Vulnerabilities, Bugs and Potential Threats in FlipKart, JioMart, and Amazon Mobile Application
- Developed a comprehensive penetration testing methodology for diverse mobile applications, utilizing cutting edge tools like Burp Suite, OWASP ZAP, and Metasploit.
- Implemented the industry standard OWASP Mobile Top Ten Project, ensuring thoroughness and effectiveness in testing.
- Exhibited exceptional soft skills, including critical thinking, problem-solving, communication, teamwork, adaptability, time management, and leadership.

Project Topic — ICT helpdesk to track tickets
- Created a streamlined and efficient system for managing technical issues on campus, providing flexibility for users to submit tickets for support and track their status.
- Utilized Python for backend development, HTML/CSS for frontend design, and Django as the web framework to create a user friendly interface, showcasing problem solving skills.
- Provided an automated ticket handling process, maximizing efficiency and productivity, while handling technical issues promptly.
- Utilized MySQL for effective database management, ensuring seamless data organization and retrieval.

Project Topic — Automated irrigation system
- Spearheaded a groundbreaking project in agricultural water conservation, resulting in significant resource conservation and cost savings.
- Demonstrated expertise in project management, completing a sophisticated system that utilized cutting edge technology and automated irrigation processes.
- Exercised unwavering motivation and commitment to sustainability, achieving project objectives with precision and efficiency.
- Leveraged advanced sensors to accurately detect soil moisture levels, enabling precise control over water flow for enhanced resource management.

Project Topic — Wireless messaging system using Wi-Fi direct
- Created a robust messaging system for emergency scenarios and low connectivity, leveraging Android Studio and

Wi-Fi Direct for seamless communication.
- Employed cutting-edge encryption methods to ensure top-notch network security for all message transmissions.
- Developed a highly secure and efficient messaging app for emergency situations, utilizing Android Studio and Wi-Fi Direct for wireless communication.
- Implemented advanced encryption techniques to guarantee utmost network security for all exchanged messages.

Awards and Honors

Study In India Scholarship, *Bengaluru, India*   Sep 2019 - June 2023
Granted a merit based undergraduate program scholarship that covers tuition,
on-campus housing, and health insurance by the Government of India and Jain University.

Leadership Roles

Hult Prize Foundation, *Bengaluru, India*   *July 2021 - June 2022*
Campus Director and Regional Organizing Committee at Jain University

Case Western Reserve University, Cleveland, Ohio   Sep 2023 - Dec 2023
Manager / Student Activity Center

Skills

Programming Languages: HTMLS, CSS, JavaScript, Java, C++, C, Python

SEO, Google Analytics, Email Marketing, Paid Advertising: Google Ads, FaceBook Ads

Keyword Research, Social Media Management

Node.js SQL

Bootstrap

Flexbox