

Nilima Kafle

St. Louis, MO

+1 573-200-2627 | nilimakafle2018@gmail.com

Motivated software engineer with strong experience in JavaScript, React, SQL, and data-driven web applications. Skilled in building clean, reliable, and user-friendly systems that solve real problems and improve access to education and technology. Experienced in full-stack academic and professional projects involving front-end development, database integration, and reporting. Proficient in usability testing, data visualization, and Agile team collaboration. Eager to continue learning and contributing to impactful software solutions.

Work Authorization: U.S. Permanent Resident (No Sponsorship Required)**EDUCATION****Master's in Information Systems and Technology**

University of Missouri–St. Louis | GPA: 4.0 | Expected Graduation: December 2026

Bachelor of Science in Computing Technology

University of Missouri–St. Louis | GPA: 3.7 | Graduation: May 2024

WORK EXPERIENCE**Graduate Research Assistant** | University of Missouri–St. Louis | Jan 2025 – May 2025

- Extracted and analyzed large datasets from SQL Server and Ludwig Reports to support faculty research and institutional reporting.
- Reviewed and validated data to ensure accuracy, completeness, and consistency across systems.
- Developed Python scripts and visualizations to optimize logistics and academic reporting processes.
- Collaborated with cross-functional research teams to deliver actionable insights.
- Documented analytical workflows and methodologies for reproducibility.

Analyst / Developer | Process Feedback LLC, St. Louis, MO | Jan 2023 – Dec 2024

- Designed complex data visualizations for both student and teacher users.
- Built and maintained interactive dashboards used by 40,000+ global users.
- Gathered user feedback and translated requirements into functional improvements.
- Performed usability testing, troubleshooting, and defect documentation.
- Collaborated with developers on feature testing and validation.
- Created technical documentation for processes and data pipelines.
- Supported mission-driven education technology projects presented at conferences.

IT Co-Op | Emerson Inc., St. Louis, MO | Nov 2022 – Sep 2024

- Automated inventory and operations reporting using SQL Server and Excel, reducing processing time by 90%.
- Created standardized templates and ETL-style workflows to validate and transform data.
- Troubleshoot backend SQL logic with QA and business teams.
- Documented system configurations, SQL scripts, and integration processes.

SKILLS

Languages: JavaScript, Java, HTML, CSS, SQL, Python, Power Query

Frameworks / Libraries: React, Pandas, NumPy, Matplotlib

Databases: SQL Server, MySQL

Tools: GitHub, Jupyter Notebooks, Advanced Excel, Visual Studio, IntelliJ, Trello

Concepts: Full-Stack Development, Debugging, TDD Concepts, Agile Collaboration, Data Visualization, Usability Testing

ACADEMIC PROJECTS

Mini Online Course Web Application | (JavaScript, React, HTML, CSS)

- Built a multi-page React application using React Router and functional components.
- Implemented state management with React hooks to track progress and quiz scores.
- Developed an interactive quiz system with validation, scoring logic, and error handling.
- Used conditional rendering to display quizzes, results, certificates, and retry screens.
- Created reusable components for improved maintainability.
- Implemented a Contact Us form with controlled inputs and validation.
- Designed responsive layouts using Flexbox.
- Built a certificate generator with editable text using array-based state updates.
- Enabled component communication using props and callbacks.
- Followed clean code practices and meaningful naming conventions.

Interactive Quiz Web Application | LaunchCode, Fall 2025

Developed an interactive quiz application using JavaScript and DOM manipulation.

Implemented real-time answer validation, dynamic question handling, and smooth navigation between questions.

Weather Mobile Application | Android Studio, Spring 2023

Built an Android mobile app using Java, Kotlin, and the OpenWeatherMap API. Implemented API integration, JSON parsing, and mobile UI design to display real-time weather data.

Floral Shop Web Application | Database Management Systems, Spring 2022

Created a responsive e-commerce application with user authentication, searchable catalogs, and SQL-based order tracking. Designed and optimized database schema and server-side data handling.

Interactive Vending Machine Application | .NET, Fall 2022

Developed an inventory-aware GUI application simulating vending machine operations with stock validation and transaction processing using event-driven programming concepts.

WORKSHOPS

Hands-on Workshop on Using ChatGPT Effectively
University of Missouri-St. Louis — August 23, 2025

Hands-on Workshop on Deep Learning
University of Missouri-St. Louis — December 16, 2022

CONFERENCE PRESENTATIONS

Global Awareness Society International (GASI), 2025
Title: Easy and Free Chrome Extensions for Preventing Plagiarism
Location: Arkansas, USA

Global Society of Online Literacy Educators (GSOLE), 2025
Title: How did my students complete their writing? A free tool for assessing the writing process
Date: February 6, 2025

HONORS & AWARDS

Recognized as Process Feedback Engineer at Process Feedback
UMSL Dean's List (2020–2024)
Treasurer, IEEE St. Louis Student Branch at UMSL