

RIKRITI KOIRALA

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EDUCATION

Northwest Missouri State University

Master of Science in Applied Computer Science

Coursework:

- Object Oriented Programming, Advanced Database Management System, Developing Web apps and Services
- Mobile Computing(Android), Patterns and Frameworks, Project Management
- Data Visualization, Generative AI

Aug 2023 – Present

Expected Graduation: Dec 2024

Cumulative GPA: 3.5

Tribhuvan University, Nepal

Bachelors of Science in Computer Science and Information Technology

Aug 2016 – Dec 2020

Cumulative GPA: 3.5

Certifications

- Cisco Networking Academy - Introduction to IoT
- Coursera Duke University - Programming Foundations with JavaScript, Html, and CSS
- IIT Madras - National Workshop/Training on Cyber Security and Ethical Hacking

JOB EXPERIENCE

Northwest Missouri State University, Maryville, MO

Software Developer(On-Campus-Part-time)

Nov 2023 – Present

- Improved system efficiency by loading students from all programs simultaneously, reducing search time by approximately 50% and significantly enhancing user experience
- Diagnosed, rectified, and resolved multiple system defects to enhance overall functionality and performance
- Modified MySQL database schema by adding a boolean column to track active state, ensuring data integrity
- Created an API endpoint using AdonisJS and implemented a toggle function to switch the active state when the delete action is triggered
- Integrated Vue.js frontend logic to hide data upon deletion, enhancing system efficiency by maintaining a non-destructive approach to data management
- Designed and implemented a Vuejs frontend form for scheduling emails, ensuring user-friendly input
- Developed functionality to convert form data into JSON objects for seamless integration with backend processes
- Implemented an intuitive user interface for timeclock project using Vuejs to improve online system experiences for university 20 faculty and student employee by developing a new dashboard page

DTRG Network, Nepal

UI/UX Designer

Nov 2021 – Jul 2022

- Conceived and developed the DTRG mobile application, creating a comprehensive design that enhances user engagement and functionality across various devices for 500 clients
- Developed the login and authentication page for mobile application using React Native
- Diagnosed and resolved various user interface issues in the web application, enhancing visual consistency

PROJECTS

Happify

School Project

- Implemented a countdown timer using Android's CountdownTimer class, allowing users to engage in timed breathing exercises using Java
- Integrated a dropdown menu for selecting breathing sounds, enhancing user customization and experience
- Collaborated with six teammates, each handling coding tasks in sync, to improve app features in four months

MovieMania

- Designed and built a movie search web app with watchlist functionality using Figma, React.js, and Spring Boot
- Developed the React.js frontend, enabling movie search and displaying details like genre and rating

TECHNICAL SKILLS

Languages(Proficient) JavaScript, Java, C#.Net,SQL

Languages(Familiar) Python, C, C++

Tools and Framework MySQL Workbench, MongoDB, Figma, Linux, Visual Studio, Android Studio, Git, Vue, React, AdonisJs