

Kripa Adhikari

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SKILLS

Programming Languages: C++, Python, Java, JavaScript
Web Technologies: HTML, CSS, TypeScript, Bootstrap, Drupal
Database Management: Oracle Database, SQL, NoSQL, experience with RESTful APIs
Tools & Frameworks: Git, Agile methodologies, Spring Framework, Google Cloud Platform (basic knowledge)
Development Practices: Object-Oriented Programming, Software Development Life Cycle (SDLC), Test-Driven Development (TDD)
Soft Skills: Strong analytical and problem-solving abilities, effective communication, teamwork, and adaptability

EDUCATION

Youngstown State University (YSU), Youngstown, Ohio
College of Science, Technology, Engineering & Mathematics (STEM)
Bachelor of Science in Computer Science Anticipated Graduation: May 2026
Minor: Mathematics

WORK EXPERIENCE

Web Developer, Cliffe College, Youngstown State University
September 2022 - Present

- Developed and maintained interactive web pages, improving user engagement and accessibility using Drupal, HTML5, CSS3, and Bootstrap.
- Collaborated with cross-functional teams to gather requirements and implement new features.
- Participated in agile ceremonies, including sprint planning and retrospectives, to enhance team productivity and project outcomes.

EXTRACURRICULAR ACTIVITIES

Volunteer, Nepalese Students Association (NSA), YSU
September 2023 - Present
Actively participated in organizing cultural programs and events to promote Nepalese culture within the university community.

RELEVANT PROJECTS

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- **Fraction Calculator:** Implemented a fraction class using C++, (Object Oriented Programming) and then implemented a fraction calculator that can handle addition, subtraction, multiplication, and division using operator overloading
 - **Set Data structure:** Implementation of Set data structures that only contains unique values, and can perform operations between set such as Union, Difference, and Intersection. Implemented using both Vector (Dynamic Arrays) and Linked-List.
 - **Personal Website:** Created and hosted personal website on GitHub using HTML5, CSS, JavaScript, and Bootstrap.
 - **OOP Projects:** Completed OOP projects w/ Inheritance, Polymorphism, Abstraction, and Encapsulation

CERTIFICATES

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- Excellence in Writing Award Certificate, English and World Languages Department, YSU
 - Introducing Functional Programming in C++ (LinkedIn Learning Certificate)
 - Code Clinic: C++ (LinkedIn Learning Certificate)
 - C++ Templates and the STL (LinkedIn Learning Certificate)
 - C++ Essential Training (LinkedIn Learning Certificate)
 - C++ Best Practices for Developers (LinkedIn Learning Certificate)

RELEVANT COURSEWORK

Data Structures and Objects, Development of Databases, Advanced Object-Oriented Programming, Programming and Problem Solving, Honors Calculus I, II, III, Discrete Structure, Computer Organization, Computer Architecture, Information Assurance, Compiler Design, Encoding and Encryption, Operating System, Professional and Technical Writing, Software Engineering, Linear Algebra, Probability and Statistics

HONORS AND AWARDS

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- Excellence in Writing Award, English and World Languages Department, YSU
 - Academic Excellence Award, YSU International Programs Office
 - Honors Award, YSU Honors College