Himal Gyawali

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Education

Miami University, Oxford, Ohio   August 2023 - Present
Master of Science (MS) in Computer Science
Relevant Coursework- Computer Science Research Methods, Intro to Artificial Intelligence, Model-Driven Software Engineering, Cybersecurity
          Projects -
           (1) Vulnerability Prediction from Source code using Program Slicing and Machine Learning

Tribhuvan University, Nepal   December 2016 - December 2020
Bachelor of Science (BS) in Computer Science and Information Technology
Relevant Coursework - Object Oriented Programming Language, Data Structures and Algorithms, Theory of Computation, System Analysis and Design, Artificial Intelligence, Software Engineering, Compiler Design and Construction, Database Management System, Advanced Java Programming, etc.
          Projects -
           (1) E-Commerce Project - Integration of payment gateway called Khalti to an online booking system
           (2) Web Application development - For online grocery store shopping
           (3) Enterprise Resource Planning (ERP) platform - For Ghorahi Cement factory

Experience

Miami University, Oxford, Ohio - *Graduate Assistant*   August 2023 - Present
- Teaching Assistant for undergraduate course, Cybersecurity, under supervision of Dr. James Walden
- Research in 'Vulnerability Prediction from Source code using Program Slicing and Machine Learning' under supervision of Dr. Hakam Alomari

GrayCode Technology Pvt Ltd, Nepal - *Intern to Mid Level FullStack Developer*   October 2020 - June 2023
- Developed Front-End applications with React.js
- Well-versed in array manipulation
- Integrated Front-End systems to the Back-End
- Implemented Microsoft's .NET MVC and Core infrastructure to create Back-End software solutions
- Executed SQL queries, Stored procedures and functions
- Maintained and updated existing software modules
- Fixed bugs and quality assurance
- Formulated subsequent versions of developments using client's feedback
- Utilized Git for version control and GitHub for collaborative coding and code review
- Deployed applications to the hosting server

Skills

Front-End Development : JavaScript, React.js, Webpack, TypeScript, Bootstrap

Back-End Development : .NET core, Web API, MVC, Dapper ORM, RESTful API, Postman API

Relational Database : MS SQL

Version Control System : GitHub, GitLab, Bitbucket

Project Management Tools : ClickUp, Azure DevOps, Jira

Tools : Visual Studio, Visual Studio Code, MS SQL Server

Scholastic Achievement

(1) Graduate Assistant at Miami University (2023-2025)

(2) College Fellowship for undergraduate studies at IOST, Tribhuvan University (2016-2020)

References

Dr. Hakam Alomari   **Dr. James Walden**
alomarhw@MiamiOH.edu   waldenjw@MiamiOH.edu