

Shishir Kumar Regmi

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Summary:

- ❖ Experience in IT in all phases of Software Development and Support of Web Based Applications, especially Analysis, Planning, Design, Coding, Testing, and Support.
- ❖ Expertise in developing web and desktop applications using, Python, and different JavaScript frameworks.
- ❖ Proficient in design using N - tier architecture and Object-Oriented Programming (OOPS) Principles like Encapsulation, Inheritance, Polymorphism, and reusability.
- ❖ Good experience handling databases like SQL Server.
- ❖ Well-versed in versioning tools like GIT and GITHUB.
- ❖ Outstanding Team player, Self-motivated, hard-working professional with good organizational, leadership, interpersonal, and communication skills.

Technical Skills:

Languages: Python, JavaScript, C, C++

Web Technologies: HTML5, CSS 3, NumPy, Pandas, Matplotlib, OpenCV, React, MATLAB

Databases: SQL

IDE: Visual Studio

Version Control: GIT and GitHub

Work Experience:

Co-instructor Django: Introduction and Basics| Feb 2021

- ❖ Ran a month-long Django workshop: Introducing basics of python, basics of HTML and CSS and the Django framework

Program Co-Ordinator, *Coding Universe*, Thapathali Campus| Aug 2020

- ❖ Conducted a coding universe program: college level competition as a program coordinator

Soho Automation, Kathmandu, Nepal

Software Engineer Intern| Mar 2022 – Sep 2022

- ❖ Involved in the entire project lifecycle from design, development & Testing.
- ❖ Developed and maintained web applications using Python.
- ❖ Used Model View Controller (MVC) architectural Design Patterns to develop the product.
- ❖ Worked with UI/UX designers to implement responsive and user-friendly interfaces.
- ❖ Conducted unit testing and integration testing to ensure application functionality and performance.
- ❖ Documented software designs and technical specifications.
- ❖ Contributed to the development of new features and enhancements to existing applications.

Projects

Monaural Multi-speaker Speech Separation:

- ❖ A novel approach to change the use of attention-based Transformers in single-channel speech separation.
- ❖ This project involved reducing the complexity of the speech separation models and implemented the new Perceiver architecture

Handwritten Devanagari Character Recognition Using Deep Neural Networks:

- ❖ Built a machine learning model for recognizing the handwritten Devanagari characters.
- ❖ Prepared novel data-set and developed a CNN model with high accuracy.

Robotics building simulation and modeling using OpenCV:

- ❖ By Leveraging the power of OpenCV and successfully achieved accurate and realistic representations of building components.

Travel site:

- ❖ Built the back end of the website using Python Django and incorporates functionality of reserving package, making payment online and blog app.

Education & Credentials:

- ❖ Bachelors in computer Engineering, IOE Thapathalli Campus, Tribhuwan University, Nepal.
- ❖ IT certifications: [Introduction to HTML 5](#), [Introduction to CSS3](#), [Developing Back-End Apps with Node.js and Express](#), [Build a Full Website using WordPress](#), [AI for Everyone](#), [Supervised Machine Learning: Regression and Classification](#), [Financial Analysis for Startups](#), [Advanced Learning Algorithms](#)