Sudesh Aryal

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Career Objective

Aspiring Software Developer and Machine Learning Enthusiast with a strong foundation in programming, web development, and data science. Passionate about developing real-world solutions and currently engaged in a machine learning-based resume screening system. Demonstrates strong learning ability, effective presentation skills, and a commitment to collaborative teamwork and continuous improvement in a dynamic environment.

Technical Skills

- Programming Languages: C++, C#, JavaScript, PHP, Java (Basics), Python
- Frontend: HTML, CSS, JavaScript
- Backend & Frameworks: PHP, Entity Framework (.NET), React (Basics), JDBC
- Database & Data Mining: SQL, MongoDB, Frequent Pattern Mining,
- Machine Learning: Pandas, Scikit-learn (Recommendation & Prediction Systems)
- Tools & Platforms: Visual Studio Code, Git, GitHub

Projects

1. **Automated Resume Screening and Ranking System** *(Ongoing)*

   A machine learning-based system that analyzes and ranks resumes based on similarity to job descriptions.

   - Implements NLP techniques including TF-IDF and cosine similarity for text comparison
   - Focused on performance optimization using hashed vector storage
   - Frontend in HTML, backend using Flask with MySQL integration

2. **.NET (C# Full-Stack Project)**

   An application for electronic record and management of Students

   - Built using Entity Framework, SSMS, Razor Syntax

3. **MERN CRUD App (Full-Stack Project)**

   An application to Create, Read, Update, and Delete user details.

   - Built using React, MongoDB, HTML, and CSS

4. ***LapTech Nepal (Academic eCommerce Website)***

 An eCommerce platform for selling laptops.

- Developed using WordPress**,** Woostify Theme**,** MySQL, and SSMS
- Features: Product listing, shopping cart, admin panel

5. **Company Registration Portal (Mini Full-Stack Project)**

 A web portal for company registration and management.

- Built using HTML**,** CSS**,** JavaScript**,** PHP (XAMPP), and SQL
- Features: User registration/login, company registration, admin approval, certificate generation

Certifications & Online Courses

- Intro to Machine Learning – Kaggle
- Fundamentals of Digital Marketing – Google Digital Garage
- MERN Stack Fundamentals- Durshikshya
- Fundamentals of Digital Marketing- Google Digital Garage

Education

BSc. in Computer Science and Information Technology   **April 2021 - April 2026**

Orchid International College, Tribhuvan University

Intermediate In Science (+2)   **June 2018- May 2020**

National Integrated College, Dillibazar, Kathmandu