

# Ritika Maharjan

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An ambitious and enthusiastic B.Sc. CSIT student at National College of Computer Studies, eager to apply computer science and technology knowledge to assist in a dynamic and challenging environment. Problem-solving, coding, and continuously learning to develop new solutions are of great interest to me.

## Education

- Bachelor of Science in Computer Science and Information Technology (B.Sc. CSIT), National College of Computer Studies (2078 To Present)
- 12th, [Prime College] (2077)

## Skills

Programming Languages: Python, C++, JavaScript, Java,

- Web Development: HTML, CSS, React, Node.js
- Database: MySQL, MongoDB
- Concepts: OOP, Data Structures, System Design and Analysis
- UI/UX Design: Prototyping and wireframing using Figma
- Software Testing: Basic understanding of software testing methodologies
- Soft Skills: Problem-solving, Collaboration

## Projects

### [Student Performance Prediction System\(2025\)](#)

Designed a machine learning-based prediction system using ID3 algorithm. Designed role-based dashboards (Teacher, Student, Admin) with performance reports and prediction results.

### [Vehicle Color Classification Project\(2024-2025\)](#)

Designed a CNN-based classification system to categorize 7 rainbow colors based on car images. Prepared training data, preprocessed it, trained the model, and integrated it with a Python-based interface.

### [UI/UX Design Projects\(2024-2025\)](#)

Designed interactive Figma prototypes for language learning apps, and gift shop websites. Employed user-centered design principles to ensure ease of use and accessibility.

### [Makeup Booking Website\(2024\)](#)

Designed a responsive website using HTML and CSS to book makeup services. Designed a clean, user-friendly aesthetic for service listing, appointment scheduling, and contact details. Kept accessibility and mobile optimisation as a top priority.

## Activities

- Reading new technologies and their everyday applications
- Exploring new startup concepts and case studies
- Solving problems through puzzles, logic puzzles, and coding problems
- Participating in brainstorming sessions for creative project ideas