

Nilima Mainali

BSc.CSIT Final Semester Student

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SUMMARY

Motivated BSc.CSIT final-semester student with a growing focus on web development and a solid academic grounding in computer science fundamentals. A quick learner and collaborative team player who bridges coursework with hands-on practice through self-study and project work. Seeking an entry-level position or internship to apply technical knowledge and contribute to forward-thinking IT initiatives.

TECHNICAL SKILLS

Web Development: HTML, CSS, React

Programming Languages: Python, JavaScript

Systems Programming: C, C++

Backend / Frameworks: Node.js

Databases: MySQL, SQLite, MongoDB

Testing & QA Tools: Playwright, Selenium, Postman

Spreadsheets: Microsoft Excel, Google Sheets

Tools: VS Code, Git, GitHub, MS Word, Canva

PROJECTS

QA Test Automation Suite – Student Management System

Playwright, Selenium, Postman

- Wrote and executed automated end-to-end test cases with Playwright and Selenium to verify login, CRUD, and authentication flows across browsers.
- Used Postman to test REST API endpoints, checking response status, payload accuracy, and error handling for edge cases.
- Logged and tracked bugs found during regression and functional testing, documenting steps to reproduce and expected vs. actual behavior.

HemaVision – github.com/Nili113/HemaVision

- AI-powered hematology diagnostics tool applying machine learning to assist in analysis and detection of blood-related conditions.

Student Management System

TypeScript · Node.js · MongoDB

- Developed a full-stack application to manage student records, attendance, and course information efficiently.
- Implemented secure authentication, CRUD operations, and database management for accurate, reliable data handling.

Task Manager

HTML, CSS, JavaScript

- Developed a responsive task management application to create, edit, and organize daily tasks using JavaScript.

YouTube Data Analysis

Python, Pandas, Matplotlib

- Performed exploratory data analysis to identify trends from YouTube datasets; cleaned, transformed, and visualized data for meaningful insights.

YouTube Clone

HTML, CSS, JavaScript

- Developed a responsive web application with intuitive navigation and optimized presentation of dynamic content.

NeuroNav – github.com/Nili113/NeuroNav

- Navigation-focused project exploring algorithmic pathfinding and intelligent decision-making concepts.

TimeTrack – Tomato Calendar – github.com/Nili113/timetrack-tomato-calendar

- Pomodoro-style time-tracking calendar application for planning and managing focused work sessions.

EXPERIENCE

OC Team Member – MBM IDEAX Hackathon

Kathmandu, Nepal

- Collaborated with the organizing team to ensure the successful execution of the hackathon.
- Assisted in event planning, coordination, participant support, and logistical arrangements.
- Worked effectively with team members to manage tasks, resolve challenges, and maintain smooth event operations.

EDUCATION

Madan Bhandari Memorial College – BSc.CSIT

2022 – Present

New Baneshwor, Kathmandu

Nidi Secondary School and Indreni Campus – +2 Science

2020 – 2022

Jhapa

CERTIFICATIONS

Data Analyst Associate – DataCamp

Credential ID: DAA0019266239701

Responsive Web Design – FreeCodeCamp

UI/UX Workshop – Madan Bhandari Memorial College

AI/ML Workshop – Madan Bhandari Memorial College

SOFT SKILLS

Team Collaboration, Problem-Solving, Communication and Interpersonal Skills, Time Management, Adaptability

LANGUAGES

Nepali – Native | English – Intermediate | Hindi – Intermediate

INTERESTS

Web Development, Hackathons & Tech Competitions, Football, Event Organization, Volunteering, Tech Blogging, Reading