

ASTHA THAPA

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EDUCATION

B.E. Software Engineering,
GPA: 3.95, Pokhara University, Nepal. 5th Semester

RELEVANT UNDERGRADUATE COURSES:

C/C++	Java(Basics)	Artificial Intelligence
Agile Practices	Data Science and Machine	Cloud Practices
Web Technology(HTML/CSS)	Learning	Designing(Figma)

RESEARCH INTERESTS

I am particularly interested in how designing is applied in IT field along with the practical applications of designing, Artificial Intelligence & Data Science in overall.

PUBLICATIONS

EXPERIENCE

Software Engineer

Although I am currently a student without formal professional experience but self-dedication and practice, yet I have great enthusiasm, dedication and profound interest for this field to ensure a eligible candidate to any creditable role.

PROJECTS AND PRACTICES

1) Scam Aggregator

A platform where users can report scams and fraudulent activities they encounter.
Hackathon: MBMC (Madan Bhandari Memorial College) Ideax 2024 Hackathon
Link: <https://github.com/asthathapaa/scam.git>

2) Road-Way

A route optimization application developed by Team Aisle to efficiently manage and optimize traffic routes.
Hackathon: Noskathon-Lite
Link: <https://github.com/asthathapaa/Aisle.git>

3) Data Science and Machine Learning Course

A comprehensive 5th semester course with learning of regression(linear+multiple), SVM, clustering(Kmeans, hierarchical) , gradient descent, and many more.
Link: <https://github.com/asthathapaa/Data-Science-and-Machine-Learning-practices.git>

4) College Management System

A individual project for electives Web Services to implement a RESTful API with JWT-based authentication for secure access control, supporting essential CRUD operations and fully containerize using Docker
Link: <https://github.com/asthathapaa/college-management-system.git>

5) WordGuessGame – TCP-based Word Guessing Game using Winsock

For coursework of Network Programming this project is a command-line word guessing game (similar to Hangman) using the C programming language and Winsock2 on Windows having Client and Server system running on ports.
Link: <https://github.com/asthathapaa/NetworkProgramming.git>

GRANTS, AWARDS, & HONORS

GRANTS & SCHOLARSHIPS

High School Scholarship Scoring GPA 3.92 in 10 th grade	\$400	2021
Bachelor's Scholarship Second Topper with GPA 3.87 at 4 th Semester Topper with GPA 3.95 at 5 ^h Semester	\$350	2022-present

TRAININGS

‘AWS Academy Graduate - AWS Academy Cloud Foundations’	Feb 2025
‘MBMC (Madan Bhandari Memorial College) Ideax 2024 Hackathon’	Sept 2024
‘Final Project Exhibition & Career Fair 2023’	Jul 2023
‘Fundamentals of Python training’	Dec 2022
‘Public Health Office Prevention and Response, Government of Nepal (GoN)’	Aug 2017
‘Strengthening Urban Resilience and Engagement (SURE), Red Cross Society’	Jul 2017