

NAJIB THAPA

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CAREER OBJECTIVE

A motivated and cloud-certified technology professional with a long-term vision of becoming a specialist in scalable software systems and cloud-based data engineering solutions. Passionate about solving real-world problems through clean code, structured data pipelines, and intuitive user experiences. Strives to learn and contribute meaningfully in multidisciplinary, high-impact teams continuously.

EDUCATION

BSc (Hons) Computing

2023 – Present

Islington College
London Metropolitan University
Kamal Marg, Kamalpokhari, Kathmandu

SLC

2020 – 2022

Khwopa Higher Secondary School
National Examinations Board
Dekocha, Bhaktapur

SEE

2020

Mahendra Vidya Ashram
National Examinations Board
Barahisthan, Bhaktapur

WORK EXPERIENCE

Data Engineer Intern

July 2025 - Present

BitsKraft Nepal
Naxal, Kathmandu

- Built and maintained scalable ETL pipelines using Python (Pandas, BeautifulSoup, Scrapy, Selenium, pdfPlumber).
- Integrated external APIs and managed structured/unstructured data across SQL and cloud environments.
- Worked on backend automation via VS Code, SSMS, and cloud platforms like AWS Workspace and Microsoft Azure.

SKILLS

Technical Skills:

Programming Language: Python, C, C++, JavaScript, HTML/CSS, SQL, Java

Framework: React, VS Code, Jupyter, Eclipse, XAMPP, MySQL, Figma

Cloud & Platforms: AWS(EC2, S3, Workspace), Microsoft Azure, Git, ThingSpeak

Soft Skills: Problem solving, teamwork, communication, decision making, quick learning

ACADEMIC PROJECTS

[Movie Heram](#) – Netflix-like Web Application

Semester 4 | Technologies: Java (Eclipse, Tomcat), HTML, CSS, MySQL (XAMPP), Figma

- Developed a full-stack movie streaming platform with user and admin modules.
- Implemented functionalities like account registration, login, profile management, movie viewing, and favorites.
- Designed and managed a MySQL database with PHPMyAdmin, ensuring normalised data and secure access.
- Created an admin dashboard for content management (add/edit/delete movies, delete users, view usage stats).
- Designed UI/UX mockups using Figma for a responsive and intuitive user experience.

Data Analytics & Hypothesis Testing Project

Semester 4 | Technologies: Python, Jupyter Notebook, Pandas, Matplotlib, Seaborn, SciPy

- Performed data cleaning, manipulation, and visualisation using Pandas and Seaborn.
- Conducted statistical analysis and hypothesis testing using scipy.stats.
- Derived insights and trends from real-world datasets.

Software Engineering Design & Documentation

Semester 4 | Tools: UML, Draw.io, MS Word

- Conducted object-oriented analysis and design for a proposed software system.
- Created use case diagrams, class diagrams, activity diagrams, and communication diagrams.
- Delivered well-structured documentation aligning with software engineering standards.

E-Classroom Database

Semester 3 | Technologies: SQL Plus

- Designed and implemented a **relational database** for an online classroom system.
- Created structured **tables, relationships and queries** for effective data management.
- Focused on **data integrity and normalisation** to optimise database performance.

IoT Air Quality Monitoring System

Semester 3 | Technologies: C++, Arduino IDE, ThingSpeak

- Developed a **real-time air quality monitoring prototype** using NodeMCU and sensors.
- Programmed **C++ on Arduino IDE** for sensor data collection and processing.
- Integrated **ThingSpeak IoT platform** to visualise air quality remotely.

Land Management System

Semester 2 | Technologies: Python

- Build a **Python-based application** for managing land records.
- Designed an **interactive CLI-based system** for easy user navigation.

Teacher Management System

Semester 2 | Technologies: Java Swing

- Developed a **desktop application** using Java Swing for teacher management.
- Designed an **interactive GUI** to manage teacher records.

Printer E-Commerce Website

Semester 1 | Technologies: HTML, CSS, JavaScript

- Created a **static e-commerce website** showcasing printers.
- Designed a **responsive UI** using CSS and JavaScript for enhanced user experience.

CERTIFICATIONS

AWS Cloud Foundation

AWS Data Engineering

AWS Machine Learning Foundation

AWS Machine Learning for Natural Language Processing

Responsive Web Design Certification

ADDITIONAL

Language: Fluent in English, Nepali

REFERENCE

Gumadevi Sharma

Director, Data Analytics

Email: gumadevi.sharma@bitskraft.com