NAJIB THAPA

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EDUCATION

ISLINGTON COLLEGE   **Kamalmarg, Ktm**
Bachelor of Science in Computing (Honors)   Expectation Graduation, Sep 2026

PROFILE SUMMARY

Motivated BSc Computing student with hands-on experience in web development, databases, data analytics, and software engineering. Proficient in technologies including Java, Python, SQL, HTML/CSS, and equipped with strong understanding of object-oriented design and system modeling using UML. Demonstrates a practical approach to solving real-world problems through clean coding, effective data manipulation, intuitive UI/UX design, and data-driven development. AWS-certified with a keen interest in Python-based applications.

UNIVERSITY 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 normalized data and secure access.
- Created admin dashboard for content management (add/edit/delete movies, delete users, view usage stats).
- Designed UI/UX mockups using Figma for 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 visualization 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 normalization** to optimize 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 visualize 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.

SKILLS

Technical Skills: Python, Java, C, C++, React, SQL, JavaScript, HTML/CSS, EC2, S3, Juypter
Soft Skills: Problem solving, teamwork, communication, decision making, quick learning

CERTIFICATIONS

AWS Cloud Foundation
AWS Data Engineering
AWS Machine Learning Foundation
AWS Machine Learning for Natural Language Processing
Responsive Web Design Certification

ADDITIONAL

Languages: Fluent in Nepali, English