

# Gaurab Hamal

*BIM Undergraduate / System Analyst /  
Security Enthusiast*

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## Professional Summary

Forward-thinking **Bachelor in Information Management (BIM)** undergraduate (Class of 2027) with a robust foundation in software engineering and business strategy. Passionate about bridging the gap between **IT infrastructure** and **organizational goals**. Proficient in core programming (Java, C, Python) with emerging expertise in **Cybersecurity** and **System Analysis**. Dedicated to building secure, scalable, and efficient digital solutions that drive business value.

## Education

- 2023 – 2027 **Bachelor in Information Management (BIM)**, Tribhuvan University, Nepal
- Focus: Information Technology Management, System Analysis, Software Development.
  - Key Coursework: Data Structures, Web Technology, Network Security, Business Strategy.

## Technical Expertise

<b>Program- ming</b>	Java, C, Python, JavaScript (ES6+), PHP, Bash Scripting
<b>Web &amp; DB</b>	HTML5, CSS3, SQL (MySQL), Database Management
<b>Cybersecu- rity</b>	Network Security Basics, Ethical Hacking Concepts, Cryptography, Linux Security
<b>Tools &amp; OS</b>	Git/GitHub, Linux (Kali/Ubuntu), VS Code, Jira, MS Excel (Advanced)
<b>Analysis</b>	SPSS, Data Visualization, System Analysis & Design (SAD)

## Key Projects

- 2024 **Inventory Management System**, *Academic Project*, Java, SQL
- Architected a desktop-based application to streamline stock tracking for small businesses.
  - Engineered a normalized relational database schema to ensure data integrity and reduce redundancy.
  - Implemented secure login authentication and role-based access control for administrators.
- 2024 **Student Information Portal**, *Web Development*, Python, SQL
- Developed a dynamic portal allowing students to view academic schedules, grades, and notices in real-time.
  - Optimized database queries to improve data retrieval speed by 30%.
  - Designed a user-friendly interface focusing on accessibility and ease of navigation.

- 2023 **Business Data Analytics Report**, *Data Analysis*, Excel, SPSS
- Analyzed complex sales datasets to identify market trends and consumer purchasing behavior.
  - Created comprehensive visual dashboards to present findings to stakeholders.
  - Provided strategic recommendations that hypothetically improved inventory turnover.

## ■ Certifications

- June 2025 **Become a Java Master**, *Programiz*, Professional Certificate
- June 2025 **Become a C Master**, *Programiz*, Professional Certificate
- June 2025 **Become a JavaScript Master**, *Programiz*, Professional Certificate
- June 2025 **HTML & CSS Specialist**, *Programiz*, Course Completion

## ■ Management & Strategy

- **Project Management:** Agile methodologies, Requirement gathering, Timeline estimation.
- **Strategic Planning:** aligning IT solutions with business objectives.
- **Communication:** Technical writing, Stakeholder presentation, Cross-functional teamwork.

## ■ Languages

Nepali	Native	<i>Mother Tongue &amp; Full Professional Proficiency</i>
English	Professional	<i>Full Professional Proficiency</i>
Hindi	Basic	<i>Conversational Understanding</i>