

# SURAJ RAUNIYAR

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Anamnagar-29, Kathmandu

## CAREER OBJECTIVE

Motivated and detail-oriented third-year Computer Networking & IT security student with a foundation in Cisco Packet Tracer, web development, algorithms, data structures, MariaDB version of SQL. Possesses a strong analytical mindset and a passion for solving problems. Beginner in Python and Java. Adept at working independently and in teams. Eager to apply academic knowledge and gain practical experience through internship opportunities and build a career.

## EDUCATION

### BSc (Hons) Computer Networking & IT Security

Feb 2024 - Present

Islington College

London Metropolitan University

Kamal Marg, Kamalpokhari, Kathmandu

### GCE -A Levels, Science

Jul 2019 - Dec 2023

Chelsea International Academy

Cambridge University

Lakhechaur Marg, Baneshwor, Kathmandu

### SEE, Secondary Education Examination

May 2006 - Jun 2019

Occidental Public School

Anamnagar, Kathmandu

## EXPERIENCE

### IT Support Intern

Feb 2025 - Present

#### Islington College, Kamalpokhari

- Assisted students and faculty during classroom sessions by setting up projectors, microphones, and resolving technical issues on the spot, ensuring smooth and uninterrupted learning experiences.
- Provided hands-on IT support in labs and halls, including troubleshooting hardware/software issues and helping students access academic resources and tools during project presentations and lectures.

### Marketing and communication Intern

Dec 2024 - Feb2025

#### Islington College, Kamalpokhari

- Promoted newly launched academic programs like GPPC by calling students, explaining program benefits, and answering queries to increase awareness and participation.
- Maintained updated student records, communicated announcements and application deadlines clearly, and ensured smooth coordination between departments and prospective students.

### Assistant Manager

Jan 2024 - Dec 2024

#### Roshani Traders Pvt.Ltd , NewRoad

- Monitored and managed inventory levels to ensure optimal stock availability, minimizing shortages and overstock for improved operational efficiency.
- Analyzed sales reports and market trends to assist in developing strategies that enhanced product turnover and boosted revenue

## SKILLS

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### Technical Skills

- **Programming & Web** : Python, Java, MariaDB SQL, HTML ,CSS ,javascript
- **Application & Software**: Adobe Illustrator, Cisco Packet Tracer
- **Operating System**: Windows, macOS, Linux
- **Network and Cybersecurity fundamentals**
- **Troubleshooting Simple Hardware and Software Issues**
- **Software installation and configuration**
- **Simple Database Managements and SQL queries**

### Soft Skills

- **Clear Communication**: Explain technical ideas simply and accurately, both in writing and verbally.
- **Team Collaboration**: Work smoothly with diverse teams to achieve shared goals.
- **Time Management**: Prioritize tasks effectively to meet deadlines and ensure thorough work.
- **Adaptability**: Quickly learn new tools and adjust to changing project needs.
- **Research & Analysis**: Gather and evaluate information to guide solutions.
- **Presentation**: Craft and deliver concise, engaging demos and slide decks.

## PROJECTS

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### Academic Projects

#### • IoT Project – Smart Door Lock System

2025

The language used to build the project is: C/C++ (Arduino Framework)

An ESP32-based lock activated by a 4-digit keypad and PIR-triggered wake-up, supporting on-device user PIN creation via admin mode. Upon valid entry, a solenoid engages and status is shown on a 1602 I2C LCD. All access attempts are logged locally in flash, and the device remains in low-power sleep until motion is sensed.

#### • Sunshine Algorithm– Encryption and Decryption Module

2025

A custom symmetric cipher defined entirely by mathematical operations. It was designed with clear, step-by-step procedures for both encryption and decryption. The accompanying report walks through manual key scheduling, worked examples of plaintext-to-ciphertext transformation, and basic security considerations against common attacks.

#### • Command Injection Attack Demonstration

2025

Participated in a group project on Command Injection Attacks, involving a technical report and live demonstration. The project covered exploitation methods, backdoor creation, real-world impact, and key prevention techniques .

### Personal Projects

#### • DockDialog: Self-Hosted AI Chat GUI

2025

The language used to build the project is: Shell/Docker (Docker CLI & Ollama)

A fully offline and secure AI chat solution powered by Ollama for managing LLMs models and OpenWebUI for GUI from Docker. Deployed via CLI with GPU acceleration, strict resource controls, and secure volume mounts. The sleek browser interface at localhost delivers enterprise-grade privacy and seamless on-premises AI interactions. Has future scalable possibility.

## AWARDS & CERTIFICATION

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- **AWS Academy Cloud Architecting**
- **AWS Academy Cloud Operations**
- **AWS Academy Security Foundations**
- **AWS Academy Cloud Security Foundations**