

Satyam Rana

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SUMMARY:

Passionate IT student eager to build, learn, and grow through real-world tech experiences.

TECHNICAL SKILLS:

- **Frontend** - HTML, CSS, JavaScript, React
- **Backend** - PHP
- **Database** - MySQL
- **Progaming Languages** - C, Python
- Object Oriented Programing
- Git and Github

EXPERIENCE:

Research and Content Writer - Codynn | Feb 2024 - Jul 2024

- Created beginner to advanced C programming courses and tutorials.
- Designed coding challenges to enhance problem-solving skills.
- Produced project-based educational videos for learners.
- Conducted technical research to support content development.

PROJECTS:

[\[LINK\]](#) **Portfolio Website**

Tech Stack - HTML, CSS, Javascript

- Frontend developed using HTML, CSS and Javascript
- Modern UI with animations
- Responsive site

[\[LINK\]](#) **Study Timer** - Frontend and Backend

Tech Stack - HTML, CSS, Javascript, React

- Frontend developed using React
- Digital Clock and Stopwatch
- Rain music

[\[LINK\]](#) **Air Quality Tracker** - Frontend and Backend

Tech Stack - HTML, CSS, JavaScript, PHP

- Frontend developed using HTML, CSS and Javascript.
- Used Javascript to fetch APIs and backend.
- Used MySQL for database.
- Air Quality tracker by fetching API and storing data on database for future use.

[\[Link\]](#) **Modern Calculator** - Frontend and Backend

Tech Stack - HTML, CSS, Javascript

- Frontend developed using HTML and CSS
- Calculator backend work done from JavaScript.
- Does all the calculations without having to equal everytime.

[\[Link\]](#) **File MIME Type Checker**

Tech Stack - Python

- Processed and normalized file names for consistency.
- Detected and returned correct MIME types for common file formats.

[\[Link\]](#) Caesar Cipher Implementation

Tech Stack - C

- Accepted a single integer as a command-line encryption key.
- Validated input to ensure a positive integer argument.
- Preserved letter case during encryption.
- Left non-alphabetic characters unchanged.

Education -

Completed +2 | Science with Computer Science | Uniglobe Secondary School | 2080 - 2082

Bsc(Hons) Computer Science with Artificial Intelligence | Sunway college kathmandu | 2025 - 2029