Satyam Rana

Computer Science with Artificial Intelligence

✉ satyam.rana.innovate@gmail.com 📞 9761608902 🔗 Portfolio in Linkedin ⦿ Github

SUMMARY

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

EXPERIENCE

Research and Content Writer, *Codynn*   02/2024 – 07/2024
- 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.

Education

Bsc(Hons) Computer Science with Artificial Intelligence,   2025 – 2029
Birmingham City Univeristy

Higher Secondary School, *Uniglobe Secondary School*   2080 – 2082

TECHNICAL SKILLS

Frontend   **Backend**
HTML, CSS, JavaScript, React   NodeJs, Express Js

Database   **Progaming Languages**
mySQL, MongoDB   C, Python

Object Oriented Programing   **Git and Github**

PROJECTS

[LINK] Rain Prediction and Humidity - Temperature Forecasting Al Model,
Tech Stack - Python, Numpy, Pandas, Sklearn
- Created a basic ML model to predict rainfall, humidity, and temperature using a small cleaned dataset
- Set up simple feature processing steps to handle core weather inputs
- Organized the project into a clean, beginner-friendly structure for easy updates

[LINK] Portfolio Website, *Tech Stack - HTML, CSS, Javascript*
- Frontend developed using HTML, CSS and Javascript
- Modern Ul 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 databases.
- 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.

CERTIFICATIONS

Certification of Completion: Python
Kaggle

Certification of Completion: Generative in Practice
Sololearn

Certification of Completion: C
Sololearn

Certificate of Participation
Codarambha Hackfest 2025