

# Samir Pudasaini

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## SKILLS

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- Languages - JavaScript and Libraries - ReactJS, NextJS, ExpressJS (Basic)
- Testing Skills - Manual Testing , Test Case Design and Execution ,Functional and Non-Functional Testing, Cross-Browser Testing, API Testing(Postman)
- Tools and Technologies - Postman, Git/Github, RESTful APIs, SQL(Basic)
- Methodologies - Agile, SDLC, Defect Life Cycle

## PROJECTS

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### ***Gym Craft - Personalized Routine Generator***

- Description: ML-powered system generating personalized weekly gym routines based on user goals, experience, and injury history
- Role: UI Developer
- Skills Utilized: Python, Flask, MySQL, Machine Learning
- Impact: Provided personalized fitness plans, boosting user engagement and workout results

### ***Boli Machine - Sign Language Reader***

- Description: Real-time hand gesture recognition system using webcam and a trained Machine learning model to convert ASL signs into spoken words
- Role: Module Developer
- Skills Utilized: Python, OpenCV, TensorFlow/Keras, MediaPipe, pyttsx3, NumPy
- Impact: Enabled hands-free, real-time communication for users with hearing or speech impairments, enhancing accessibility and inclusivity in communication tools

### ***Console Based Voting System***

- Description: Developed a C++ console-based system for secure voter registration, authentication, and vote casting with file-based data storage and admin controls.
- Role: Co-Developer
- Skills Utilized: C++, File Handling, Data Validation, STL, Algorithm Design, Console UI
- Impact: Ensured one-vote-per-user integrity and streamlined result management, improving transparency and efficiency in voting processes.

## EDUCATION

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**Kantipur City College|Putalisadak|Computer Engineering**

2022-2026

**KIST |Kamalpokhari, Kathmandu |+2 Science**

Graduation year(2021)

## EVENTS AND CONTRIBUTIONS

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- Inter College Exhibition
- Inter College Game Development - Organized Session For Game Development using GDScript(For 2d games).