

# ANIKET SAHA

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🌐 LinkedIn

🔄 GitHub

🌐 Portfolio

## Skills

**Languages:** C, C++, MySQL, Python, JavaScript, HTML, CSS

**Framework:** Tailwind, React

**Coursework:** Operating System (OS), Data Structures, Networking, Database (DBMS), Software Engineering

**Miscellaneous:** Linux, Shell (Bash/Zsh), Git

## Projects

### Virtual Quiz Game / Python

- Designed an educational quiz game to teach children about potential outer-world threats in a creative, engaging manner. By combining real-world awareness with interactive gameplay, it promotes critical thinking and learning in an innovative format.
- Leveraged advanced hand-tracking technology through Mediapipe and CVZone to enable gesture-based interactions, creating a modern and hands-free user experience that is both accessible and entertaining for kids.
- Developed a modular system with CSV-based question design and management, allowing tutors to expand the game's content for broader topics.

### AI Data Analyst / Python

- Built an AI-driven data analysis agent capable of reading datasets at runtime and performing user-specified operations using **Python** libraries
- Designed a system that enables seamless **data preprocessing, visualization, and statistical analysis** through interactive command-based input, improving flexibility in data exploration.
- Integrated **automation features** to handle diverse datasets, reducing manual effort in analysis and enabling efficient data-driven decision-making.

### Fire-Detection System / Python, HTML, CSS

- Designed a real-time fire detection model using YOLO for efficient object recognition in emergency scenarios.
- Developed an interactive user interface integrating Python and HTML for deployment flexibility alongside enhanced model accuracy and performance for reliable fire detection in real-world applications.

## Certifications

- Unrevealing Basic Python towards ML/AI  
-By CSE Pathshala Feb 2024-March 2024
- The Bits and Bytes of Computer Networking  
-By Coursera Sept 2024
- Introduction to Hardware and Operating Systems  
-By Coursera Sept 2024

## Profiles

LeetCode

Hacker\_Rank

\_GeeksforGeeks

GitHub

## Education

### Lovely Professional University (CGPA - 7.4)

Bachelor of Technology in Computer Science & Engineering

2023 – 2027

Jalandhar, Punjab

### Indira Gandhi Memorial High School (CBSE – 75%)

Higher secondary education

2021 - 2023

Kolkata, West Bengal