

# RAGHAW SHUKLA

## AI/ML & Full-Stack Developer

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📍 Kolkata, West Bengal, India

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### ABOUT ME

AI/ML Developer and Full-Stack Developer specializing in Computer Vision and secure, high-performance systems. Currently pursuing B.Tech in Computer Science Engineering, with a focus on building edge-first applications that prioritize data privacy and reliability.

Experienced in developing real-time biometric and gesture-based solutions using OpenCV and YOLOv8, along with deploying scalable ML systems using FastAPI and Flask. Focused on delivering production-ready, efficient, and secure AI-powered applications.

### EDUCATION

#### ACADEMY OF TECHNOLOGY

Bachelor of Technology in Computer Science Engineering

2024 – 2028

#### NARAYANA GROUP OF SCHOOLS, KALYANI

Higher Secondary Education

2023 – 2024

### SKILLS

- Python
- Machine Learning
- Computer Vision
- YOLOv8
- OpenCV
- Scikit-Learn
- PyTorch
- Pandas
- NumPy
- Flask
- FastAPI
- REST APIs
- Firebase
- MongoDB
- Google OAuth 2.0
- Git & GitHub

### WORK EXPERIENCE

#### Smart AI Attendance & Surveillance System

Built a real-time CCTV-based system to automatically mark attendance using facial recognition. Implemented live video processing and secure data storage using AI and backend APIs.

**Tech:** Python, OpenCV, YOLO, Firebase, Flask

#### Gesture Controlled Cursor & Hologram

Created a computer vision system to control the mouse and UI using hand gestures. Implemented real-time hand tracking and gesture-based interaction.

**Tech:** Python, OpenCV, MediaPipe

#### ScholarConnect – AI Scholarship Platform

Developed an AI-powered web app to recommend scholarships based on student profiles. Built backend APIs and authentication to manage users and data securely.

**Tech:** Flask, FastAPI, REST APIs, Tesseract OCR

### CERTIFICATIONS

#### MACHINE LEARNING WITH PYTHON

Instructors: [Joseph Santarcangelo](#), [Jeff Grossman](#) & [SAEED AGHABOZORGI](#) Coursera

#### PYTHON FOR DATA SCIENCE, AI & DEVELOPMENT

Instructor: [Joseph Santarcangelo](#) Coursera

#### PYTHON AND FLASK FRAMEWORK COMPLETE COURSE

Instructor: [Horizon Tech](#) - udemy

#### PANDAS

Instructor: [kaggle](#)

#### DATA CLEANING

Instructor: [kaggle](#)

#### DATA VISUALIZATION

Instructor: [kaggle](#)