SHUBH SHARMA

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SUMMARY

A **Computer Science** student with a strong background in **software development**, **AI/ML**, and **full-stack engineering**. Experienced in developing **real-time applications**, implementing **machine learning algorithms**, and **leading technical projects**. Proficient in developing **scalable systems**, integrating **emerging technologies**, and improving efficiency through **automation**.

EDUCATION

GL Bajaj Institute of Technology and Management   **Greater Noida, Uttar Pradesh**
B.Tech - ***CGPA****: 8.8*   *Nov 2022 – Oct 2026*

Bal Bharati Public School   **Noida, Uttar Pradesh**
- CBSE - Intermediate - **Percentage**: 93.6%   2022
- CBSE - Matriculation - **Percentage**: 93.4%   2020

TECHNICAL SKILLS

Category	Skills
Languages	Java, C++, Python, C, JavaScript, Kotlin
DSA	Solved 400+ DSA problems on LeetCode & Codeforces
Frameworks	React, Flutter, Linux, GitHub
Tools	Git, VS Code, Android Studio

PROJECTS

Multi-Person Face Recognition System ⧉ | Dlib, OpenCV, Flask, Pandas, Gmail API   **Feb 2025**
- Built a real-time facial recognition system using **Dlib and OpenCV**, achieving **95%+ accuracy** in multi-face detection across **live IP camera feeds and stored video streams**.
- Integrated a **Flask-based web interface** for seamless remote monitoring, reducing manual face review time by **40%** through real-time detection and alerts.
- Optimized inference data storage with **Pandas**, efficiently handling **100K+ records** with a maximum capacity of **1M before auto-purge**.
- Implemented an **email alert system** using the **Gmail API**, ensuring instant notifications with automated face recognition reports sent within 1s.

Real-Time AI Fitness Tracker ⧉ | OpenCV, MediaPipe, Flask, SQLite, Dialogflow   **Nov 2024**
- Developed a **real-time AI fitness tracker** using **Python, OpenCV, and MediaPipe**, achieving **95%+ pose detection accuracy** for instant exercise feedback.
- Implemented **SQLite 3** to store **1000+ user workout sessions**, enabling personalized workout plans based on **past performance**.
- Optimized **Flask backend**, reducing video processing time by **40%** and handling **100+ concurrent users** seamlessly.
- Enabled **real-time calorie estimation** with **Streamlit**, generating **80%+ accurate calorie predictions** and delivering **personalized diet & recovery tips** via Dialogflow chatbot.

Portfolio Website ⧉ | HTML, CSS, JavaScript, React.js   **Sept 2024**
- Developed a **fully responsive portfolio website** using **React.js, JavaScript, HTML, and CSS**.
- Showcased **5+ projects**, **10+ technical skills**, and achievements, improving online visibility by **70%** (measured via LinkedIn profile visits).
- Integrated **GitHub API** for real-time updates, leading to **3x increase** in project repository engagement.

CERTIFICATIONS

- AIML Virtual Internship - Google for Developers
- Android Virtual Internship - Google for Developers
- Cloud Virtual Internship - Amazon Web Services(AWS) Academy

EXTRACURRICULAR

President, Electoral Literacy Club (ELC), G.L. Bajaj   **Aug 2024 – July 2025**
- Coordinated the creation and distribution of **500+ voter identification cards**, ensuring **100% compliance** with electoral regulations.
- Facilitated communication with **10+ government officials and electoral authorities** to align club activities with official guidelines.