

Akshay Shukla

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EDUCATION

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| Galgotias University, Greater Noida <i>B.Tech in Computer Science and Engineering (4th Year Undergraduate)</i> | 2022 – Present CGPA: 8.84 |
| CBSE Board <i>Senior Secondary (Class XII)</i> | 2021 87.80% |
| CBSE Board <i>Secondary (Class X)</i> | 2019 94.67% |

WORK EXPERIENCE

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| Infosys iOS Developer Intern (Project-based) | Mar. 2025 – Apr. 2025 |
| <ul style="list-style-type: none">Engineered and deployed a modular iOS application within a 10-member Agile Scrum environment, successfully delivering 3 production-ready features across 4 sprint cycles.Architected backend data structures using Supabase and PostgreSQL, implementing secure schemas and real-time synchronization that maintained 99.9% service availability.Collaborated on cross-functional teams to execute sprint planning and rigorous code reviews via Jira, ensuring strict adherence to Agile best practices and on-time delivery. | |

PROJECTS

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| Vault – Password Manager GitHub Live Demo <i>Next.js, Prisma, Redis</i> | Jan. 2026 |
| <ul style="list-style-type: none">Developed a zero-knowledge, end-to-end encrypted web architecture to ensure sensitive user credentials remain inaccessible in plaintext.Hardened system security by implementing AES-256-GCM encryption and scrypt key derivation, significantly increasing resistance to brute-force and GPU-based attacks.Optimized backend performance using Next.js, Prisma ORM, and Redis, resulting in a 30% reduction in authentication and vault access latency. | |
| Interrixon – Real-time Polling GitHub <i>React, Node.js, Socket.io</i> | Nov. 2025 |
| <ul style="list-style-type: none">Built a scalable real-time polling platform featuring secure code-based access and dynamic live result visualization for audience engagement.Implemented a high-performance backend using Node.js and Socket.io to facilitate low-latency, bi-directional communication and instant vote synchronization.Designed a responsive frontend with React (Vite) and Tailwind CSS, integrated with MongoDB for efficient management of user and poll data. | |
| Virtual Mouse – Computer Vision GitHub <i>Python, OpenCV</i> | May. 2024 |
| <ul style="list-style-type: none">Engineered a touch-free human-computer interaction system utilizing OpenCV and MediaPipe for real-time hand-gesture recognition.Achieved a gesture recognition accuracy of >90% by optimizing finger-tracking algorithms and processing live video input.Programmed support for 5+ complex gestures—including clicking, scrolling, and screenshots—using PyAutoGUI for smooth, low-latency execution. | |

TECHNICAL SKILLS

Programming Languages: Java, C++, Python, Swift, JavaScript, SQL, Bash, HTML/CSS
Mobile Development: SwiftUI, UIKit
Web Development: React (Vite), Next.js, Node.js, Express.js, Socket.io, Tailwind CSS
Databases & Cloud: Supabase, PostgreSQL, MongoDB, MySQL, Redis, Prisma ORM
Tools & Libraries: Git, GitHub, Jira, MediaPipe, OpenCV, PyAutoGUI, L^AT_EX
Security & Architecture: AES-256-GCM encryption, scrypt key derivation, Zero-Knowledge proofs

ACHIEVEMENTS & HONORS

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| iOS Student Developer Program <i>Top 3% Selectivity</i> | Sep. 2024 |
| <ul style="list-style-type: none">Selected as one of 100 students from a competitive pool of over 3,000 applicants for an intensive university program focused on the Apple ecosystem.Mastered advanced iOS development and app design principles, including Design Thinking and high-level software architecture.Collaborated with a cohort of top-tier student developers to build and iterate on user-centric mobile solutions. | |