

Sankalp Gaur

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SUMMARY

Passionate and results-driven developer with strong foundations in Java, data structures and algorithms, and full-stack development using Next.js. Experienced in iOS app development via Swift Playgrounds and basic AWS Cloud services. Integrated Solidity-based blockchain features into live projects. Known for leadership, problem-solving, and a drive to deliver impactful, efficient solutions.

EDUCATION

MIT Art Design and Technology <i>Bachelor of Technology in Computer Science</i> Sharada Mandir School(ICSE/ISC) <i>Xth - 92.5 XIIth - 84</i>	Pune, MH Aug. 2022 – May 2026 Miramar, GA June 2013 – June 2022
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PROJECTS

MedVault – Blockchain Integrated Medical Data Storage Platform Next.js, TailwindCSS, FireAuth, Firebase, Solidity, ether.js, REST API, JavaScript	August 2024 – Present
<ul style="list-style-type: none">MedVault is a secure platform that uses blockchain and AI to digitize, store, and organize medical records from prescriptions and reports. It allows patients to share records privately, prevents tampering, and supports ethical data use for research.	
FlexMap – An Interactive 3D Workout Guide Swift Playgrounds, SwiftUI, SceneKit, Blender	February 2025 – Present
<ul style="list-style-type: none">FlexMap is a Swift Playgrounds-based 3D fitness guide that lets users tap on body parts to view targeted exercises. It features a user-friendly iOS-style UI with exercise videos and smooth 3D interaction for an intuitive experience.	
Virtual Whiteboard – Color Tracking with Python and OpenCV Python, OpenCV, Numpy, HSV Color Space	August 2023 – December 2023
<ul style="list-style-type: none">Virtual Whiteboard uses Python and OpenCV to track colored objects (like a pen cap or marker) in real-time to simulate drawing on screen.	

CERTIFICATIONS & PUBLICATIONS

<ul style="list-style-type: none">AWS Academy Cloud Foundations Certificate (AWS) — June 2024JAVA Programming Certificate (IIT Bombay) — April 2024Python Programming Certificate (IIT Bombay) — December 2023Introduction to iOS Mobile Application Development (Meta) — July 2024Programming Fundamentals in Swift (Meta) — July 2024Version Control (Meta) — October 2023Networking Basics (Cisco Academy) — April 2024Certificate of Publication on MedVault (JETIR) — December 2024	
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RESPONSIBILITIES & PARTICIPATION

President, MIT Swift Coding Club Skills: Leadership, Event Management, Team Coordination, Communication, Strategic Planning	July 2024 – May 2025
Technical Lead, MIT Swift Coding Club Skills: Technical Mentorship, Project Execution, Swift Development, Collaboration, Innovation	July 2023 – May 2024
Hackathons: Smart India Hackathon (2023, 2024), Future Tech AI Hackathon (2024), Infosys Springboard Hackathon (2024), Swift Student Challenge (2025)	

TECHNICAL SKILLS

Skills: Java, Python, C, C++, Swift, Swift Playgrounds, Next.js, Firebase, MySQL, AWS Cloud Fundamentals, HTML/CSS, Data Structures, Git, Solidity, Generative AI (RAG, LangChain, Prompt Engineering), LLM APIs (OpenAI, Groq), Vector Stores(Pinecone), Pytorch, TensorFlow, HuggingFace, AI Tool Proficiency