Samridhi Aggarwal

BTech | Cloud Computing | AI Developer |Android Apps | Web Development

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Expertise: Cloud Computing, Full-Stack Web Development, Android App Development, Artificial Intelligence, Data Analytics, Software Development, API Integration, DevOps, Database Management.
Tools: Docker, HTML, CSS, JavaScript, Java, Python, MySQL, MongoDB,VS Code, Android Studio, JIRA, Postman, AWS.

WORK EXPERIENCE

AI Developer Executive   **Avani Enterprises**   **June 2025 – January 2026**

- Developed and deployed AI automation workflows using n8n to streamline business operations.
- Built end-to-end automation systems for client onboarding, task tracking, deadline alerts, and escalation workflows.
- Integrated automation with WhatsApp, Gmail, Instagram, and Telegram to reduce manual processing time.
- Created AI agents for document generation, multilingual communication, and smart response handling.
- Improved internal productivity using LLM-powered automation for data processing and reporting.
- Collaborated with cross-functional teams to analyze process gaps and implement scalable AI-driven solutions.

AI Automation, Workflow Engineering, Low-Code Development, Process Optimization, Data Automation, LLM Integration, API Integration, Cross-Platform Integration, Requirement Analysis, Technical Documentation, Problem Solving, Stakeholder Communication

Android App Developer Intern   **ThinkNext Technologies Pvt. LTd.**   **July 2024 – August 2024**

- Developed Android application features using Java and Android Studio.
- Designed user interfaces with XML layouts and optimized UI components for better user experience.
- Implemented API integration, JSON parsing, and local data handling for dynamic app functionality.
- Performed debugging, UI improvements, and app performance optimization for client projects.
- Collaborated with senior developers using version control tools and Agile development practices.
- Tested applications across multiple Android versions and devices to ensure stability and compatibility.

Android Development, Java Programming, XML UI Design, API & JSON Handling, Mobile App Debugging, Performance Optimization, Testing & QA, Version Control (Git), UI/UX Improvements, Device Compatibility Testing

PROJECTS

- Engineered a deep-learning–based Lung Cancer Severity Detection Model using CNNs, achieving up to 92% classification accuracy on medical imaging data and enabling faster, more reliable clinical decision support.
- Designed an AI-powered Cardiac Arrest Risk Prediction System leveraging HRV, temperature, and skin conductivity signals, glycemic indices reaching ~91% early-warning accuracy in detecting high-risk patterns for real-time patient monitoring.
- Developed a fully functional Online Retail Store Website with product listings, cart management, responsive UI, and streamlined checkout workflows for a seamless e-commerce experience.
- Created multiple Android applications (Weather, News, Music, etc.) using Java and Android Studio, featuring real-time API integration, intuitive UI, and optimized performance across devices.
- Undertook various job simulation projects via Forage and completed the tasks assigned upskilling my tech stack and hands-on experience in real corporate world, relating to AWS, SQl.

EDUCATION

BTech CSE- Cloud Computing   **AMITY UNIVETSITY, PUNJAB**   7.79   **2026**

Engaged in NSS volunteering, Literary and Eco Club member, Marketing Head of the Library Club;
Delivered AI-driven B.Tech CSE projects at Amity University Punjab on Lung Cancer Detection and
Cardiac Arrest Prediction.

Python Certification   **Code In Place- Standford University**   NA   **2024**

Completed the prestigious Code in Place 2024 Python certification by Stanford University, mastering
core Python foundations, algorithmic thinking, data structures, and developing polished real-world
projects with strong coding discipline and problem-solving finesse.

High School Degree   **Sacred Heart Hr. Sec. Convent School**   91.5%   **2022**