West Bengal, India

Sandip Mondal

Software Engineer / QA Lead

Portfolio: SandipMondal.bio.link
github.com/sandip-mondal-0248

Results-driven Software Engineer and Test Automation Lead with a solid foundation in object-oriented programming, Python, Java, SQL, and cloud technologies. Adept at bridging development and quality engineering by designing scalable applications, integrating APIs, and building robust UI automation frameworks. Passionate about applying analytical problem-solving to deliver intelligent, data-driven solutions that drive digital transformation and business efficiency.

Skills

Programming Languages	Java, Kotlin, Python, C, C++
Test Automation & QA	Selenium, Pytest, Page Object Model (POM), User Acceptance Testing (UAT)
Web & Databases	HTML, CSS, JavaScript, Spring Boot, MySQL, MongoDB
Tools & Platforms	Linux, Git, IntelliJ IDEA, Visual Studio Code, Android Studio, REST APIs, Postman, Maven, Jira
Soft Skills	Team Leadership, Quality Engineering, Analytical Thinking, Problem Solving
Spoken Languages	Bengali (Native), English, Hindi

Technical Experience

Software Quality Assurance Lead **Mar 2026 — Present**
Ralakde Automation UK

- Managed team workflows and assigned testing tasks across various core application modules.
- Drove test automation strategies using Python to ensure robust UI updates.
- Streamlined operations and improved software quality through cross-functional collaboration.

Software Development Engineer in Test (SDET) **Dec 2025 — Mar 2026**
Ralakde Automation UK

- Built an end-to-end UI automation framework using Python, Selenium, and Pytest (POM).
- Conducted UAT for critical application components, verifying functionality and system compliance.
- Optimized testing pipelines and troubleshot complex configuration issues.

Skin Cancer Detection Android App **Personal Project**
Python, Kotlin, TensorFlow, FastAPI

- Built an Android app for skin lesion classification using ensemble deep learning and a cloud-based FastAPI backend.
- Tech Stack: Python, TensorFlow, Keras, Kaggle, Android Studio, Kotlin, XML, FastAPI.

Real-Time Cropping in Android **Personal Project**
Kotlin, Android Studio

- Implemented live camera cropping with bounding-box alignment using CameraX.
- Tech Stack: Kotlin, XML, Android Studio.

Education

Bachelor of Technology (B.Tech) in Computer Science & Engineering July 2025
Maulana Abul Kalam Azad University of Technology, West Bengal, India
CGPA: 7.0/10

Diploma in Computer Science & Technology July 2022
Murarai Government Polytechnic, West Bengal, India
CGPA: 8.2/10

Class XII (Vocational Science) August 2020
Monoharpur Sri Ramkrishna High School, West Bengal, India
Score: 96/100