

Arghya Gayen

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Haldia Township - 721607, Purba Medinipur, West Bengal

BRIEF SUMMARY

QA Automation and Full-Stack Developer, with hands-on testing-framework experience on a banking application (Playwright, TypeScript, API testing). Also working across the JavaScript web stack (HTML, CSS, JavaScript, MongoDB, Git/GitHub), and building applied AI exposure through Oracle's OCI AI Foundations Associate and OCI Generative AI Professional certifications (LangChain, RAG fundamentals).

EDUCATION

- Haldia Institute of Technology** November 2022 - June 2026
Bachelor of Technology (Computer Science and Engineering) Haldia, Purba Medinipur
 - CGPA: 7.61
- DAV Public School** 2022
Higher Secondary Education Haldia, Purba Medinipur
 - Grade: 68.30%
- DAV Public School** 2020
Secondary Education Haldia, Purba Medinipur
 - Grade: 90.50%

EXPERIENCE

- Content Writer** October 2023 - September 2024
Google Developers Student Club HIT
 - Authored 10+ posts in collaboration with a team of 8, drafting, editing, and proofreading copy for logical flow and consistent brand tone.

PROJECTS

- Parabank-QA-Suite** May 2026
Tools: Playwright, Typescript, Postman, Manual testing, End-to-End Testing [\[G\]](#)
 - QA automation suite for ParaBank's fund transfer flows — manual test plan, test cases, RTM, automated in Playwright + TypeScript. Covers UI, API, and hybrid checks (create via UI, verify via API), with POM and parallel runs. Added Allure + Playwright HTML reports with traces/screenshots, defect logging by severity/priority, and negative-case coverage. CI/CD Jenkins config included.
- CLI Video Editor** June 2025
Tools: Python, Video Processing, CLI, File Handling [\[G\]](#)
 - A Python-based video editor built solely for the command line, enabling fast, scriptable editing without any GUI. Features include video/audio merging, styled subtitles, filters, transitions, watermarking, and picture-in-picture overlays. Powered by MoviePy and ImageMagick, it supports automation and batch processing through interactive CLI prompts, ensuring reproducible, GUI-free workflows.
- Facial Features Detection** January 2025
Tools: Machine Learning, Image Processing, OpenCV [\[G\]](#)
 - This Python project implements a real-time face and eye detector. It utilizes OpenCV for computer vision tasks, including face and eye detection using pre-trained Haar Cascade classifiers. The project features a user-friendly GUI built with Tkinter, allowing users to either upload an image or use their webcam as input. The detected faces and eyes are visualized with bounding boxes on the displayed image or video stream.

SKILLS

- **Programming Languages:** Python , C , Java , JavaScript, Typescript
- **Web Technologies:** MERN, HTML, CSS, React
- **Database Systems:** SQL, MongoDB
- **Tools & Platforms:** Git, GitHub, Postman, Android Studio, Playwright, JMeter
- **Testing & Automation** UI/API Automation, Performance Engineering, POM, DDT
- **Other Skills:** Machine Learning, API Integration, Technical Writing, Agile/Scrum

CERTIFICATIONS

- Oracle: [OCI Generative AI Professional](#) *October 2025*
- Oracle: [OCI AI Foundations Associate](#) *October 2025*
- Oracle: [OCI Foundations Associate](#) *October 2025*
- Oracle: [Oracle APEX Cloud Developer Professional](#) *October 2025*

ACHIEVEMENTS

- Solved 450+ problems on CodeChef

ADDITIONAL INFORMATION

Languages:

- English (Full Professional Proficiency)
- Hindi (Limited Working Proficiency)
- Bengali (Native Proficiency)

Interests: Reading, Recitation, Painting, Digital Art, Photography