

Muditya Raghav

Portfolio [GitHub/0xmudit](#) [LinkedIn/0xmudit](#) mudityadev@gmail.com +91 8770428132

Education

Gyan Ganga Institute of Technology and Sciences, B.Tech

Aug 2019 – May 2023

- CGPA: 9.02 / 10.0

Experience

Independent Software Development, Self-Directed

April 2025 – Present

- Designed and shipped three full-stack products during this period — **Malcom**, **Jini**, and **Kingswork**
- Strengthened practical engineering skills across **Linux**, **AWS EC2**, **Docker**, **logs**, **REST APIs**, **WebSockets**, and **CI/CD**, learning to build, test, secure, deploy, and maintain production-ready systems independently.

QA Associate Engineer, Reliance Jio Platforms, Hyderabad

Dec 2023 – March 2025

- Automated **80+** test cases using **Automator AI** with **LLMs**, boosting test coverage by **40%**.
- Enhanced **REST API suites**, fixing **35+** critical bugs, improving system stability by **25%**.
- Integrated **CI/CD pipelines** with **Jenkins**, accelerating releases by **20%**.

Software Engineer Intern, Persistent Systems, Remote

April 2022 – June 2022

- Automated Excel-based QA workflows using **Python + Pandas**, reducing test time by **90%**.
- Built a **data validation engine** processing **10,000+** rows/test, improving team productivity.
- Developed **cross-functional scripts** adopted by **2 internal teams**, eliminating redundant work.

Cyber Security Intern, Cisco Network, Remote

April 2021 – July 2021

- Conducted **pen-tests** on **3+** live web platforms using **Burp Suite** and **Nmap**, discovering **5+** critical bugs.
- Submitted **3 verified reports** to **PayPal's Bug Bounty Program** via **HackerOne**.

Technical Skills

Languages: Python, JavaScript/TypeScript, SQL, C++ (familiar)

Frameworks & Tools: React, Next.js, Express, FastAPI, Selenium, Cypress, Playwright, Postman, Jenkins, REST APIs, WebSockets, Git

Data & Infra: SQLite, MongoDB, Supabase, Docker, Linux, AWS EC2, CI/CD

Security: Burp Suite, Nmap, DVWA, Juice Shop, Wireshark

Projects

Malcom — AI Research Workspace

Live Demo | GitHub

- Built a full-stack **AI research workspace** with **streamed model responses**, document context, cited web research, markdown/math rendering, and production smoke checks.
- Implemented **authentication**, **Stripe-backed subscriptions**, and dual **local + Supabase** persistence. Stack: **Next.js**, **TypeScript**, **Supabase**, **SQLite**, **Stripe**.

Jini — Document Intelligence Workspace

Live Demo | GitHub

- Built a **local-first document intelligence workspace** for PDFs, spreadsheets, and invoices with searchable answers, **cited evidence**, extracted dates/amounts, and reminders.
- Implemented **multi-format extraction**, ranked retrieval, optional **Groq**-based synthesis, secure sessions, and **Docker** deployment with **30 unit tests**. Stack: **React**, **Express**, **TypeScript**, **SQLite**, **Vitest**.

Kingswork — Trading Intelligence Platform

Live Demo | GitHub

- Built a full-stack **trading intelligence platform** with dashboards, stock analysis, paper portfolios, backtesting, and AI-assisted research.
- Developed a multi-domain **FastAPI** backend with **JWT auth**, **WebSockets**, **SQLAlchemy** models, and production deployment. Stack: **FastAPI**, **React**, **TypeScript**, **SQLAlchemy**, **Groq**.