

RISHI BARUA

Kolkata, India | +91 6289217236 | rishibarua6345@gmail.com | github.com/RISHI9922

PROFILE

Software builder who can build applications from idea to working product using Claude Code, Codex, and Antigravity. I can debug applications by reproducing issues, reading errors, and verifying fixes, and I can maintain them over time with clear documentation.

EDUCATION

Master of Computer Applications, Sister Nivedita University | Oct 2026 | CGPA 6.12/10

Bachelor of Computer Applications, Adamas University | 2020 – Aug 2023 | CGPA 7.4/10

PROJECTS

KnowYu | AI Document Q&A Application | 2026 – Present

github.com/RISHI9922/KnowYu

- Built an app that answers questions from PDF and Markdown files, citing sources for every answer.
- Designed it to decline when evidence is insufficient, using a retrieval similarity threshold, a constrained prompt, and post-response checks that reject citations outside retrieved chunks.
- Wrote 20 Vitest unit tests for core behavior and edge cases; used AI-assisted review to debug failures.
- Handled error handling and upload security; wrote API, database, security, and testing documentation.
- Stack: Next.js, React, TypeScript, Supabase (PostgreSQL and Auth), pgvector for retrieval, and Upstash Redis for request rate limiting.

CoachLeads | Gym Management SaaS | 2026 – Present | In pre-production

- A gym management SaaS product covering member management, attendance tracking, and administrative workflows, with web and mobile interfaces.
- Used ChatGPT and Claude to break requirements into implementation steps and investigate defects, and reviewed generated changes against expected workflows and tests.
- Applied an evidence-first debugging process: reproduce the issue, inspect the affected workflow, make a focused change, and verify the result.
- Reviewed authentication, tenant isolation, input validation, and failure handling before launch.
- Tested form validation, responsive layouts, and kiosk privacy; documented issues and decisions.

Crop Yield Prediction Tool | MCA project, 2025

- Built a tool that predicts crop yield, from data preparation through to prediction, for my MCA coursework.

API Health Checker | Python, TypeScript

- Built a terminal tool, in Python and TypeScript, that checks whether an API is healthy.
- Reports the status of the API so that a working or failing service can be identified quickly.

SKILLS

AI development tools: Claude Code, Codex, Antigravity

Languages: JavaScript, TypeScript, Python, React, Next.js, Node.js, SQL

Data, access, and testing: PostgreSQL, Supabase, pgvector, REST APIs, Vitest

Version control and operations: Git, GitHub, Linux, Sentry, uptime monitoring

Languages spoken: English, Bengali, Hindi

CERTIFICATES

HackerRank Python (Basic) | AWS Solutions Architecture Job Simulation, Forage