Mohabbat Marjuk Muttaki

Software Engineer

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Summary

Final-year Computer Science student and core contributor to Ziex, an open-source full-stack web framework for Zig. Architected a scalable RAG platform utilizing Django, LangChain, and ChromaDB. Passionate about open-source development and engineering performant developer tools.

Skills

Languages: Python, Rust, JavaScript, C/C++, Java, PHP, Zig
Backend & AI: Django, DRF, WebSockets, LangChain, RAG, Vector DBs (ChromaDB), Groq API, n8n
Infrastructure: Docker, GitHub Actions, Linux, PostgreSQL, MySQL, Azure, REST APIs
Frontend & Design: React.js, Next.js, HTMX, Tailwind CSS, Git, Figma, Chrome DevTools

Experience

Open-Source Contributor (Software Developer) **Dec 2025 – Present**
Ziex (Full-stack web framework for Zig) *Remote*

- Engineered the Ziex DevTools extension (Chrome Manifest V3) end to end using Zig and the Ziex framework itself, across 14 merged PRs and 3,200+ lines: a live component-tree inspector with per-component props, route and component search, and a native-element visibility toggle.
- Designed a data-driven, port-based connection layer with configurable host input between the extension's DevTools panel and the inspected application's runtime, and implemented hover highlighting, click-to-scroll, and dark mode on top of the shared component state.
- Resolved 6 formatter and export defects in the `zx` toolchain (whitespace preservation in fragments, nested switch indentation, `zx_text` multiline handling, Windows `zx export`) with regression tests, and added 2 js-framework-benchmark suites (1,280+ lines, 32 files), 2 deployment templates, and a server `accept` retry fix.

Projects

Full-Stack AI Platform | Repo | Demo | *DRF, LangChain, LLaMA 3.3* **March 2025 – May 2025**

- Built a scalable AI knowledge hub processing complex document datasets, featuring user-isolated vector DBs with automated re-indexing via Django signals.
- Integrated real-time document processing and a blogging engine, supporting high-concurrency messaging with sub-100ms latency via WebSockets.

Animfetch | Repo | *Rust, Linux, SystemFetch* **Aug 2026 – Present**

- Programmed an animated system fetch utility in Rust that maintains pinned ASCII art while streaming terminal inputs and command outputs with near-zero latency.

Code Fetcher Extension | Repo | Demo | *JavaScript, Python* **Jun 2025 – Aug 2025**

- Automated Codeforces submission backups to GitHub by developing a custom Chrome extension; scaled to 70+ active users post-launch on the Web Store.

Contests & Certifications

- **Champion:** Intra-Department Programming Contest 2024 and Inter-University Beginners Programming Contest 2024.
- **2x ICPC Regionalist:** 2023, 2024 and 4x IUPC Contestant.
- **Ratings:** 2-Star in CodeChef, Pupil in Codeforces; Solved 1000+ problems.
- **Hackathon:** Top 50 Finalist — PSTU Hackathon (200+ competitors).

Education & Leadership

B.Sc. in Computer Science & Engineering (Final Year) **Nov 2023 – Present**
Green University of Bangladesh (GUB)

- **Leadership:** Programming & Development Secretary (Green University Computer Club)