

ADITYA GHOSH

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Final Year Computer Science student (NUS) specialising in AI + Software Engineering. Built full-stack, agentic systems and products across global experiences in Singapore, Norway, and the Philippines.

WORK EXPERIENCE

Goldman Sachs | *Global Banking & Markets Engineering Summer Analyst* Singapore | **May 2026 – Jul 2026**

- Worked in the Securities Trade Processing team, supporting post-trade confirm generation workflows.
- Built an AI chatbot and a Model Context Protocol (MCP) server connected to internal databases, enabling Operations users to query client-facing information in natural language without requiring engineers to run SQL.
- Developed and refined a prompt library and query framework for recurring Operations queries.
- Supported the productionisation of a new React-based GUI, including feature-gap analysis against the legacy interface.
- Contributed to backend optimisation initiatives, including database migration work and implementation of caching for client information to improve system performance and reduce repeated lookups.

Riff (previously Databutton) | *Software Engineer Intern* Oslo, Norway | **Jul 2025 – Dec 2025**

- Engineered an App-Context Graph system to reduce the coding agent's hallucinations and improve generation accuracy.
- Developed a Python-based internal CLI tool for in-house engineers to reproduce customer apps at specific commit IDs, reducing time spent on customer support tickets and agentic workflow testing from hours to minutes.
- Shipped 3 agentic tools, including one for researching documentation for integrations and another to automate lead research, streamlining user acquisition during the company's strategic product relaunch.
- Maintained a Mixpanel dashboard to track user behavior, enabling A/B experiments on form placement and conversion.

KMC Solutions | *Software Engineer Intern* Manila, Philippines | **May 2024 – Jul 2024**

- Developed UI for 20+ dynamic form submission pages and a submission management dashboard as part of a revamp of the company's Facility Management System (FMS) with Next.js, Tailwind, and Shadcn.
- Migrated legacy user data into Vercel Postgres and implemented REST APIs + SQL for CRUD workflows; added Zod validation to prevent invalid submissions and reduce server-side errors.
- Implemented Clerk.js for authentication and integrated a Filestack API for the management of file uploads.

Borneo Data (Acquired by Atlassian) | *Data Analyst and Market Research Intern* Singapore | **Jan 2023 – May 2023**

- Redesigned the Open-Source website along with a Marketeer and Frontend Engineer using Gatsby.js. This improvement enhanced site speed and navigation, providing easy access to the source code and the Slack support channel.
- Conducted keyword and market research to enhance SEO and inform strategic approaches to product and sales.
- Monitored Google Analytics, Search Console, and GitHub Pull Requests to create monthly progress dashboards.
- Replicated successful strategies with the Open-Source project on the Borneo website, including SEO, UI/UX changes, and an in-built blog with Strapi CMS.

PROJECTS

Classlancer

Built a platform for high-school students (IB/A-levels/IGCSE) with over 20000 pages of notes, subject guides, peer tutors, and 30+ informative blog posts. Raised \$10000 through the NUS Venture Initiation Programme to scale the project

The Grade Track

Built and deployed a NUS GPA calculator (React, Supabase) with accurate module mapping and grading rules; grew to 500+ active users via organic adoption and iterative UX improvements

SKILLS

Languages (Python, Java, JavaScript, Swift, Dart), **Frontend** (Next.js, React, Tailwind CSS, shadcn/ui), **Backend/Database** (Node.js, SQL, MongoDB, Supabase, Vercel Postgres, Firebase), **Others** (Canva, Figma, Git, GA4, MS Office, Wix)

EDUCATION

National University of Singapore (NUS) *Bachelor's Degree* **GPA: 4.40/5.00** **Aug 2023 – Dec 2026**

Pursuing a **Bachelor of Computing (Computer Science)**, specialising in Artificial Intelligence and Software Engineering

- Resident and Ambassador of Tembusu College under the **University Town College Programme**
- Recipient of the NUS Science & Technology (S&T) Scholarship

Saint Joseph's Institution International (SJII) **IGCSE Results: 9A*, IB Results: 45/45** **Jan 2015 – Nov 2020**

CO-CURRICULAR ACTIVITIES (CCA)

Head of Product (Developer Group @ NUS), Software Engineer (NUS Fintech Society), Footballer, Pianist

LANGUAGES

English (Fluent), Hindi (Native), Bengali (Native), Spanish (Full Working)