

Adhiraj Dutta

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EDUCATION

National Institute of Technology, Silchar

Bachelor of Technology - Electronics and Communication Engineering

Assam, India

Dec 2021 - Jun 2025

EXPERIENCE

ZS Associates

Business Technology Solutions Associate Intern

Bengaluru, IN

Feb 2025 - Jul 2025 (Ongoing)

- Maintained data warehouse solutions using Snowflake, optimising storage performance across pharmaceutical datasets.
- Design and document data models, pipelines and transformations using Salesforce Data Cloud; implemented identity resolution to unify fragmented entity records across multiple sources; and created AI agents using AgentForce.
- Developed AWS Glue ETL jobs to automatically processes analytics archives from S3 with 24-hour time-based filtering.
- Collaborate with cross-functional teams to improve data modelling, curation and governance with a focus on client needs.

Hyperly

Frontend Developer Intern

Remote

Aug 2024 - Oct 2024

- Revamped the frontend with new designs and built new features using **NextJS 14** and TailwindCSS.
- Refactored and redesigned onboarding flow and dashboard, which resulted in a 30% higher retention rate.
- Migrated home page and blogs to Astro, developed mini-tools, leading to SEO boosts and increase in organic impressions.

AgriJod

Full Stack Developer Intern

Remote

May 2023 - Jul 2023

- Developed React components for the frontend of the MVP from the ground up using **NextJS 13**.
- Set up automatic checks and deployments using GitHub Actions to enhance developer productivity.
- Contributed significantly to advancing the startup to Technology Readiness Level (TRL) 6.

PROJECTS

tw-t-highlighter

TypeScript, NextJS, Supabase, Drizzle ORM

- Built a website for users to highlight their best tweets, serving as a non-premium alternative to Twitter Highlights.
- Implemented Twitter OAuth using Supabase and PostgreSQL as database with Drizzle ORM for queries and schemas.
- Developed using TypeScript, NextJS for frontend, Zustand for state management, Tanstack Query for data-fetching.

codekon

TypeScript, NodeJS

- Implemented an interactive CLI tool to automate the scaffolding of web applications using pre-configured templates.
- Streamlines project setup process, resulting in reduction in setup time for developers and improved user experience.
- Released on npm - npmjs.com/package/codekon - with 200+ weekly downloads during launch.

Hacker News Favourites API

HonoJS, TypeScript

- Built a lightweight REST API using HonoJS to fetch Hacker News favourites (stories and comments) for any user.
- Handles pagination and handles retries with quadratic backoff, implementing exponential delay strategies.
- Caches responses for 24 hours to improve performance and reduce server load.

Hacker News Daily API

ExpressJS, TypeScript, Docker

- Built a REST API using Express to scrape and serve the daily top 10 stories and top monthly stories from [HN Daily](#).
- Containerised the web application using Docker for easy self hosting and setup automatic deployment on [Vercel](#).

SKILLS

Languages: Python, SQL, JavaScript, TypeScript, HTML/CSS, C++

Libraries & Frameworks: ReactJS, NextJS, NodeJS, ExpressJS, TailwindCSS, Vite, Astro

Databases: MySQL, MongoDB, PostgreSQL, Snowflake

Tools: git, Firebase, Supabase, Prisma, Drizzle, Zod, SASS, Docker, Salesforce Data Cloud

ACHIEVEMENTS

- Top 10 teams at The Return Journey Hackathon, organised by GDSC IIT Kanpur, 2024.
- Winner of CSS Hacks Hackathon, CSS, NIT Silchar, 2023.
- Contributor in open source projects like NodeJS website ([commits](#)), tldr-pages ([commits](#)).

OTHER INTERESTS/EXTRACURRICULAR ACTIVITIES

- Blog on my personal [blog](#).
- Publicly document my daily learnings on my [todayilearnt blog](#).
- Web Lead for 2023-24 tenure at Google Developer Student Clubs, NIT Silchar.
- Coordinator of NITS::HACKS 7.0, the Annual Hackathon under Tecnoesis, NIT Silchar.
- Head for 2024-25 tenure at Quiz Club, NIT Silchar.
- Ex-Cadet at NCC, NIT Silchar.