

TAHA IFTIKHAR

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Profile Summary

Computer Science student with a strong interest in **full-stack development** and **problem-solving**, with a primary focus on **backend engineering**. Skilled in **Java, JavaScript, Node.js, Express.js, React**, and **MongoDB**, with hands-on experience building **end-to-end web applications, REST APIs, authentication systems, and database-driven features**. Consistent with DSA practice to strengthen **algorithmic thinking**. Experienced in **team-based projects** and **event coordination**, seeking opportunities to contribute to real-world **full-stack** applications while owning backend-heavy responsibilities.

Technical Skills

Programming: JavaScript, Java, C, Python

Backend Development: NodeJS, ExpressJS, HonoJS, Cloudflare Workers

Frontend Development: ReactJS, Tailwind CSS, Context API

Database & Tools: MongoDB, PostgreSQL, Prisma, Docker, Redis, Git, Postman

Projects

Streaker

Feb-Mar 2025

- [Github repo](#) [Live Link](#) **Tech Stack:** ReactJS, HonoJS, Cloudflare Workers, PostgreSQL, Prisma ORM, Tailwind CSS
- Engineered a full-stack habit tracking application using **React, TypeScript, and HonoJS**.
- Built scalable serverless backend using **Hono.js** on **Cloudflare Workers** and utilized Prisma with **accelerate** extension for database operations.
- Implemented efficient data fetching and caching using **Tanstack React Query** and designed responsive UI with **TailwindCSS**.

TinyQueue - Redis-Backed Job Queue

November 2025

- [GitHub repo](#) **Tech Stack:** TypeScript, Express.js, Redis, Bun
- Developed Redis-backed job queue with **FIFO processing**, concurrent worker pools, and automatic retry mechanism with **exponential backoff**
- Designed Redis data structures to manage job state transitions from pending to processing to completed or failed for **real-time monitoring**
- Created extensible job registration system with **type-safe handler mapping** to simplify addition of new background job types

Payment App

June 2024

- [Github repo](#) [Live Link](#) **Tech Stack:** ReactJS, ExpressJS, MongoDB, Tailwind CSS
- Developed a Paytm-like application enabling users to **transfer money** and **check balances** with **database transaction properties** for data integrity.
- Integrated **Zod library** for robust input validation and used **JSON Web Tokens** for secure user authentication.

Blog API - Pencraft

Nov 2023

- [Github Repo](#) [Live API](#) **Tech Stack:** Hono, Cloudflare Workers, PostgreSQL, Prisma ORM
- Created a dynamic blog platform allowing users to **create and modify** blog posts using **Cloudflare Workers** for efficient backend operations.
- Utilized **Prisma ORM** with **connection pooling** and implemented **input validation** using **Zod library** with **JWT** authentication.

Education

B.Tech in Computer Science & Engineering

Sep 2022 - June 2026

Integral University Lucknow, UP

CGPA: 9.7/10

Accomplishments & Extracurricular

- **LeetCode Achievements:** Ranked 1421/28725 in contest 397, 1574/24931 in contest 381, 1676/32166 in contest 399
- Selected as the **Campus Ambassador** of HackerEarth at Integral University and **Head of Code Club** at Integral University