

TAHAIFTIKHAR

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https://leetcode.com/ifti_aha [Portfolio](#)

Profile Summary

Computer Science student with a strong interest in **MERN 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

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 - Habit Tracking Application (Full Stack Application)	Feb-Dec 2025
<ul style="list-style-type: none">Github Live Link Tech Stack: React.js, Hono.js, PostgreSQL, Prisma ORM, Tailwind CSS, ZodBuilt full-stack habit tracker with daily streak building, GitHub-style heatmap visualization, and category-based activity filtering.Designed RESTful API with 25+ endpoints on Cloudflare Workers for edge computing, integrated Prisma Accelerate for optimized queries, implemented goal management with achievement badges.Secured auth with JWT and bcrypt hashing, implemented Zod validation through shared npm package, built activity CRUD with pagination using React Query.	
TinyQueue - Redis-Backed Job Queue	November 2025
<ul style="list-style-type: none">GitHub Tech Stack: TypeScript, Express.js, Redis, BunDeveloped Redis-backed job queue with FIFO processing, concurrent worker pools, and automatic retry mechanism with exponential backoffDesigned Redis data structures to manage job state transitions from pending to processing to completed or failed for real-time monitoringCreated extensible job registration system with type-safe handler mapping to simplify addition of new background job types	
PayPulse - Digital Payment Platform (<i>Team Project, Backend Developer</i>)	June-Aug 2024
<ul style="list-style-type: none">Github repo Live Link Tech Stack: Node.js, Express.js, MongoDB, JWT, Zod, BcryptArchitected and developed RESTful APIs for a payment application enabling secure money transfers with ACID-compliant database transactions using MongoDB sessions to ensure data integrity and prevent race conditions.Implemented JWT-based authentication system with access/refresh token mechanism, secure password hashing using bcrypt, and cookie-based session management with CORS configuration for cross-origin requests.Built robust input validation layer using Zod schema validation, designed normalized database schema with 3 collections (Users, Accounts, Transactions), and created transaction history API with user detail population.	
Blog API - Backend Service	Nov 2023
<ul style="list-style-type: none">Github Repo Live API Tech Stack: Hono, Cloudflare Workers, PostgreSQL, Prisma ORMCreated 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

Integral University Lucknow, UP

Sep 2022 - June 2026

CGPA: 9.6/10

- Related CourseWork** - Data Structure & ALgorithms, Database Management System (DBMS), OOPS, Computer Networks, Operating System

Accomplishments & Extracurricular

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