Md. Tauseef - Ur - Rahman

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github.com/TAUSEEF-01 | LinkedIn | Portfolio

TECHNICAL SKILLS

Architecture: Microservices, API gateways, event-driven systems.
Languages: Python, Java, C++, JavaScript, TypeScript.
Frontend: React.js, Next.js, Tailwind CSS, Vite.
Backend: FastAPI, Express.js, Spring Boot, Node.js.
Databases: PostgreSQL, MySQL, MongoDB, Supabase, Redis.
Mobile: React Native, Expo.
Specialization: Machine learning, AI training.
Tools: Git, GitHub, Docker, Kafka, Kong, JWT, Postman, SDL.

PROFESSIONAL EXPERIENCE

GenmorphicsAI Dec 2023 – Present
Python AI Trainer | Remote

- Train and fine-tune **large language models** using Python for NLP tasks.
- Evaluate and annotate data for machine learning training and validation.
- Collaborate with **25+ AI trainers** on training protocols and quality standards.
- Test and debug AI responses to reduce hallucinations and improve accuracy.

ACHIEVEMENTS

Hackathons and Datathons

- Placed **7th at NSU Datathon**.
- Advanced to **Code Samurai's second stage** nationally.
- Participated in **API Avengers**, an eight-hour DevOps microservice hackathon at CUET.
- Selected and qualified for **InnovateX 2025** at BUBT with Programming Hero.

Capture the Flag (CTF)

- **3rd** — DU CTF.
- **7th** — EWU CTF.
- **10th** — BUP Circuit Crash 1.0.
- **13th** — Al-Khwarizmi Science Fest.
- **15th** — EUP Cyber Siege.
- **19th** — DIU CYBERCON.

Competitive Programming

- Represented a team at **ICPC Dhaka Regional 2025**.
- **Codeforces Pupil** and **CodeChef 3-Star** rated programmer.
- Solved **1,000+ problems** across Codeforces, CSES, LeetCode, and other judges.

PROJECTS

BusGo — Intercity Bus Ticketing Platform GitHub
FastAPI, React, React Native, PostgreSQL, Redis, Kafka, Kong, Docker

- Built **14 FastAPI microservices** behind a **Kong API Gateway**.
- Used **Redis seat locks** and Kafka events to coordinate bookings.
- Supported multi-leg bookings with **saga compensation** and QR e-tickets.
- Built passenger and operator experiences across web and mobile apps.

Dhikr & Dua — Published Mobile App Google Play
React Native, Expo, TypeScript

- Published on Google Play with **500+ downloads**.
- Built a dhikr counter with free, goal, and countdown modes.
- Added curated duas and a full Quran reader covering **114 surahs**.
- Included streaks, statistics, six themes, and offline access with no data collection.

PROJECTS (CONTINUED)

PatternCrafter — Data Annotation Platform GitHub

React, TypeScript, FastAPI, MongoDB

- Supported image/text classification, NER, sentiment, and generative AI evaluation.
- Implemented **10+ annotation formats** and a quality-review workflow.
- Added role-based access and JWT/Bcrypt authentication.

MedWise — Health Management App GitHub

React Native, FastAPI, MongoDB, Google AI

- Built medical record and prescription tracking with medication schedules.
- Integrated **AI-powered prescription scanning** using Google AI.
- Added statistics and secure PDF export.

E-Commerce Platform with DBMS GitHub

Next.js 14, TypeScript, PostgreSQL

- Used **SQL triggers and stored procedures** for database operations.
- Implemented role-based authentication and real-time inventory management.
- Built an admin dashboard with sales and revenue analytics using Tremor charts.

LivingConnect — Home Rental App GitHub

React Native, Node.js, MongoDB

- Built map-based property search and real-time renter–owner messaging.
- Integrated a payment gateway and shifting, painting, and repair services.

Angry Birds — SDL Game GitHub

C++, SDL

- Implemented projectile motion, collision detection, and destructible structures.
- Created **three progressive levels** with **60 FPS** rendering.

LEADERSHIP AND ACTIVITIES

- **President, CSEDU Informatics Club**; lead activities, workshops, and outreach.
- **Organizer, Intra-University of Dhaka CTF**.
- Mentor junior programmers and maintain open-source projects and CTF write-ups.

EDUCATION

University of Dhaka Jan 2022 – Dec 2026 (Expected)

B.Sc. in Computer Science and Engineering | Dhaka, Bangladesh

CGPA: 3.59/4.00 (after Year 3, Semester 2).

Coursework: DBMS, OOP, DSA, Computer Graphics, Software Engineering.

Dhaka College 2020

Higher Secondary Certificate; **GPA: 5.00/5.00**; General Scholarship Recipient.

Govt. Laboratory High School 2018

Secondary School Certificate; **GPA: 5.00/5.00**; General Scholarship Recipient.

INTERESTS AND RECENT WORK

- **Ongoing thesis:** Optimizing offloading strategies in VEC.
- Interests: AI/ML, full-stack and mobile development, cybersecurity, entrepreneurship.