

# TAMIM HASAN SAAD

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## EDUCATION

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Bangladesh University of Engineering and Technology  
BSc in Computer Science and Engineering

Expected graduation: May 2026

## TECHNICAL SKILLS

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**Languages:** C/C++, Python, SQL, Java, JavaScript, TypeScript, Go

**Databases:** PostgreSQL, Oracle 19c (PL/SQL), MongoDB, Qdrant (Vector DB)

**Web Development:** React.js, Express.js, HTML5, CSS3, Tailwind CSS, REST APIs

**Tools:** Git, Docker, Figma, LaTeX, Netlify, Shell Scripting, Azure VM

**Soft Skills:** Analytical Problem-Solving, Teamwork, Communication

## EXPERIENCE

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Software Engineer Trainee, Pridesys IT Ltd.

Apr 2025 – Aug 2025

Dhaka, Bangladesh • Part-time

- Implemented advanced chat features such as **message display**, **reactions**, **pinned messages**, **member list**, **notifications**, **channel modals**.
- Engineered **real-time data retrieval** logic for an internal chat system, ensuring low-latency message delivery.
- Implemented data persistence and **synchronization** for features like direct messages and member lists.

## PROJECTS

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Tuition Tracker: Class Manager [*React Native, TypeScript, AdMob*] [[Play Store](#)]

Jan 2026 - Present

- Built and published a React Native tuition management app serving **400+** daily active users on Google Play.
- Managed 20+ production releases and integrated an AdMob mediation stack for monetization.

StuddyBuddy – AI-Powered Study Platform [*React, Postgres, Qdrant*] [[Demo](#)] [[Code](#)]

Jun 2025 – Jul 2025

- AI-based study tool to generate quizzes, sticky notes, and evaluate answers using Gemini API.
- Integrated Qdrant-based semantic search and implemented PDF annotation using third-party libraries.
- Deployed the full-stack application with Docker and GitHub Actions, hosted on an Azure VM.

BUET Institutional Information System (BIIS) Clone [*Oracle 19c, SQL, PL/SQL*] [[Code](#)]

Nov 2023

- Designed a relational database schema with multiple entity relationships to model university operations.
- Wrote PL/SQL stored procedures and triggers to automate data integrity checks and enforce role-based security.

## CERTIFICATIONS

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- SQL** (Intermediate) – [HackerRank](#).
- Advanced Learning Algorithms (Machine Learning) – [Coursera](#).
- Research Internship Program - [CHIRAL Bangladesh](#)
- Participant at Learnathon 3.0: Fresher Training Program by Geeky Solutions - [Certificate](#)

## ACHIEVEMENTS

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- Secured the **1st Runner-Up** position at the Eco Tech Hackathon 2026 organized by BUET.
- Solved **800+** Data Structures and Algorithms problems on [LeetCode](#), [Codeforces](#), [CSES](#), and [HackerRank](#).
- Attained a peak rating of **1213** on [Codeforces](#).
- Achieved **Gold** and **Bronze** badges for **Python/Java** and **C++/DSA**, respectively on [HackerRank](#).
- Ranked **5th** out of 100+ participants in the Intra-College Math Olympiad 2018 at RAJUK Uttara Model College.