Sheikh Tanvir Ahmed

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EDUCATION

United International University   Dhaka, Bangladesh
Bachelor of Computer Science and Engineering   Expected 2026
CGPA: 3.99/4.0 (Ongoing)
Relevant Coursework: Data Structure & Algorithms, Artificial Intelligence, Machine Learning, System Analysis And Design, Database Management System, Web Programming, Software Engineering

WORK EXPERIENCE

United International University   Dhaka, Bangladesh
Undergraduate Teaching Assistant   Nov 2024– Present
- Assist faculty in ensuring smooth class operations.
- Support students with course-related issues.
- Assess students based on their assignments and tasks.

United International University   Dhaka, Bangladesh
Undergraduate Grader   Oct 2023 – Jan 2024
- Assessing students based on their assignments.

UNIVERSITY PROJECTS

Autonomous Car Parking System   July 2024
- Built a **reinforcement learning-based** self-driving car simulation in Unity and deployed it to a real-world Arduino vehicle via custom REST APIs
- Trained an RL agent to perform autonomous parking tasks;
- Awarded **3rd runner-up** among 100+ teams at UIU Project Show, Summer 2024

OptiTask - Personal Management System   Jan 2025
- Developed a task automation and emotion-aware productivity app with group chat, smart task assignment, and AI-driven support
- Integrated a ChatBot using **the Gemini API** with **Stanford NLP** for user emotion analysis and personalized responses;
- Won **1st place (Poster Category)** out of 150+ teams at UIU Fall Project Show 2024

VoteChain - Blockchain Based Voting System   Jun 2025
- Building a decentralized voting platform with wallet authentication, real-time voting logic, and secure smart contract execution
- Using React, Next.js, TypeScript, and Solidity with MetaMask and custom APIs to handle the voting structure

ACTIVITIES

- Solved 700+ problems on platforms like Codeforces, LeetCode, and AtCoder; passionate about competitive programming and algorithmic problem solving
- Represented UIU in the **CSE Fest 2025 Inter-University Programming Contest (IUPC)**
- Mentor junior students on core CS topics, including DSA, algorithms, and machine learning
- Active in research on Large Language Models (LLMs) and deep learning, exploring their application in automation and AI tools
- Enthusiast of real-world AI, NLP, and deep learning systems; regularly experiments with projects involving GPT, Gemini, and Stanford NLP

ADDITIONAL

Technical Skills:

- **Programming:** C, C++, Go, Python, Java, MASM, TypeScript, JavaScript
- **Web & Full Stack**: React, Next.js, Tailwind CSS, Node.js, HTML, CSS, Figma, SQL, Git
- **Blockchain & Smart Contracts**: Solidity, MetaMask, Web3.js
- **AI/ML & Tools**: Scikit-learn, TensorFlow, Gemini API, Stanford NLP, OpenAI APIs
- **Concepts**: Data Structures & Algorithms, Machine Learning, Deep Learning, API Integration, CRM Logic, Automation Workflows

Languages: Bengali, English

Awards:

- **Talentpool Scholarship** based on the board result
- **8x Result-Based Scholarships** from United International University
- **3rd Runner-Up**, UIU CSE Project Show (Summer 2024) – Autonomous Car Parking System
- **Champion**, Poster Category, UIU CSE Project Show (Fall 2024) – Personal Management System