

# Tanvir Hasan Tamal

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## WORK EXPERIENCE

### DEEPCHAIN LABS

Oct-2024 - Feb-2025

Software Engineer Trainee (Internship) || [Recommendation Letter](#)

- Developed full-stack features for Kazentic, a multi-tenant SaaS platform designed as a comprehensive remote office suite, integrating project management, CRM, HRM, billing, analytics, and task management.
  - Worked on backend development for Calendar and Teams modules and played a key role in frontend development and integration for Calendar, Forms, Payroll, Teams, Organization Settings, and 10+ critical modules.
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## EDUCATION

### AMERICAN INTERNATIONAL UNIVERSITY - BANGLADESH

#### Bachelor of Science in Computer Science and Engineering

2021 - 2025

Major in Software Engineering, Minor in Information System

Relevant Courses: Advanced Programming In Web Technologies (NestJS, Next.js, Postgres), Advance Programming With .NET(.NET Framework, MSSQL, Entity Framework, SOLID, N-Tier), Software Requirement Engineering (SDLC)

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## UNIVERSITY PROJECTS

### Solana-Based NFT Minting dApp (Solana Web3.js, Next.js, Phantom Wallet, Pinata)

GitHub: [Solana-Based-NFT-Minting](#)

- Developed a decentralized NFT minting platform on the Solana blockchain as a solo project. Built the Next.js frontend integrated with Solana Web3.js and Wallet Adapter for seamless blockchain interactions. Integrated Phantom Wallet for user authentication and used Pinata (IPFS) for decentralized NFT metadata and image storage.

### Travel Planner (.NET, Next.js, MSSQL, Entity Framework)

GitHub: [Travel-Planner](#)

- Designed and developed a full-stack travel planning application as a solo project. Built the ASP.NET Core Web API backend and a Next.js frontend for interactive trip planning. Utilized MSSQL and Entity Framework for robust data management, following SOLID principles and clean architecture for maintainability and scalability. The platform allows users to create, organize, and manage travel itineraries efficiently.

### Decentralized Chain Link (NestJS, Next.js, WebSockets, LevelDB)

GitHub: [Decentralized Chain Link Explorer](#) || [peer-to-peer](#)

- Contributed to a group project that simulated a Layer 1 blockchain network, Implemented PoS consensus, Merkle Tree structure, and peer-to-peer communication using WebSockets. Built DCLScan Explorer with Next.js to visualize real-time blockchain activity.
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## TECHNICAL SKILLS

Language: TypeScript, JavaScript, C#, C++, Java, Python, SQL, PHP

Tech: Next.js, NestJS, Postgres, Solana, Tailwind, MongoDB, Git, Swagger, Postman

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## ACHIEVEMENTS

### AIUB CS FEST 2024

First Prize Winner in App Showcasing Segment

- Built a Layer 1 blockchain with NestJS, WebSocket, LevelDB for decentralized network simulation.
- Developed DCLScan Explorer using Next.js, TailwindCSS for real-time blockchain monitoring.

### Jarvis 4.0 Intra ACC Carnival (2023)

Runner-up in Idea Prototyping & App Showcasing (Senior Category)

- Developed an innovative AR-based application concept that uses a device camera to allow users to virtually try on clothes, enhancing the shopping experience. The app also improves marketing engagement, addresses size-related concerns, and enables direct ordering.

## CERTIFICATIONS & TRAINING

IT Essentials: PC Hardware & Software from CISCO Networking Academy.

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## REFERENCES

MD. AL-AMIN

(ASSISTANT PROFESSOR Dept. of CS, AIUB & CEO, Deepchain Labs )

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