



DEWAN TANJIL HOSSAIN

SOFTWARE ENGINEER

PROFILE

A versatile software engineer skilled in Javascript, **Typescript**, Python, Java, C/C++, web technologies like HTML/CSS/**Tailwind**, **ReactJS**, **React Native**, **Three.js**, **React-Three-Fiber**, and Native Android development. Experienced with databases including MySQL and **MongoDB**. Actively engaged in research applying **Deep learning** and **NLP** techniques, including transfer learning, sentiment analysis, and code translation. Committed to exploring cutting-edge technologies and leveraging them to drive innovation in software development.

WORK EXPERIENCE

●	Metadesign Solutions	2022 - PRESENT
	Software Engineer	
	- ReactJS, JavaScript & TypeScript specialist for outstanding web apps. - Scalable front-end solutions with a focus on performance and accessibility. - Diverse skillset: API integration, responsive design, Three.js for 3D. - Continuous learning of the latest front-end tech for innovation. - Embracing emerging technologies for cutting-edge solutions.	

EDUCATION

●	Bangladesh University of Engineering and Technology (BUET)	2023 - PRESENT
	M.Sc in Computer Science and Engineering	
●	Ahsanullah University of Science and Technology	2017 - 2022
	B.Sc in Computer Science and Engineering CGPA: 3.33/4.00	
●	Kushtia Government College	2016
	Higher Secondary School Certificate GPA: 5.00/5.00	
●	Kushtia Zilla School	2014
	Secondary School Certificate GPA: 5.00/5.00	

PROJECTS

●	Acquire Learning	NOV 2022 - PRESENT
	React/ React Native/Typescript/MongoDB	
	Acquire Learning is a clinical and educational platform that combines data, experience, and growth. It's designed to gather, analyze, and generate targeted insights, using the latest technology to power its features.	

CONTACT

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TECHNICAL SKILLS

- Javascript, Typescript, Python, Java, HTML/CSS/Tailwind
- ReactJs/ React Native
- Three.js/ React-Three-Fiber
- Material UI/ ShadCN / AntD
- Mobx/Redux/Zustand/React Query
- Native Android Development
- Java Swing
- MySQL/MSSQL Server/MongoDB
- AWS S3/ Cognito
- Jest/Vitest
- Git/GitHub/Gitlab
- Jira/Clickup/Pivotal/Slack
- Windows/ Mac/ Linux
- Adobe Illustrator/ Photoshop/Canva

SOFT SKILLS

- Project Management
- Teamwork
- Time Management
- Leadership
- Effective Communication
- Critical Thinking

INTERESTS

- Software Development
- Machine Learning
- Deep Learning

LANGUAGES

- English (Fluent)
- Bangla (Native)

Cricket Connections AUG 2024 - APR 2025

React/React Query /Typescript/MongoDB

Cricket Connection is a dynamic platform designed to help aspiring cricketers unlock their full potential. With access to expert coaches, personalized training plans, and an easy-to-use booking system, players of all levels can enhance their skills and performance.

SLS 3D NOV 2023 - MAR 2023

React/Typescript/Three.js

SLS 3D is a web platform offering an immersive 3D fashion experience. Users can interact with a detailed 3D model, mix and match clothing items for a personalized virtual try-on. Built with Three.js for seamless 3D rendering and ReactJS for efficient state management, it dynamically updates the model's appearance in real time based on user input.

Hire Tripple AUG 2022 - NOV 2022

React/Javascript

HireTripple is an online platform for streamlining hiring processes. Similar to TestGorilla, it offers customizable skill assessments, coding challenges, and personality tests for evaluating job candidates. With a user-friendly interface, recruiters can create tests, review responses, and generate reports for data-driven hiring decisions. It ensures a secure and seamless online testing experience through integrations and a proctoring system.

Elevate MAR 2022 - JULY 2022

React/Typescript/ Three.js

Elevate is a real estate platform with a unique 3D model visualization and interaction feature. Buyers can explore detailed 3D property models, virtually walk through, and filter units based on square feet, price, bedrooms, bathrooms, direction, and availability. Built with Three.js and React-Three-Fiber for an immersive 3D experience and seamless rendering.

RESEARCH

- Road Damage Detection with Deep Neural Network using Transfer Learning-based approaches (**Submitted to conference**)
- Remote Work: Transforming Workspaces and Shaping the Future (**Submitted to conference**)
- Sentiment-Based Book Recommendations: A Machine Learning Approach to Enhance Reading Experience (Ongoing)
- Code Repertoire: Java to Python Equivalents (Ongoing)

HONORS & AWARDS

First runner up at intra AUST project showcase Ahsanullah University of Science and Technology	2019
Junior Scholarship Kushtia Zilla School	2011
Primary Scholarship Karimpur Government primary school	2008
First runner up at Math olympiad Youth ending hunger bangladesh	2008