Tanvir Mahtab

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Summary

Full-stack developer experienced in React, Next.js, RESTful APIs, and NLP models. Strong in software engineering fundamentals, with a keen eye for design, a goal-oriented and consistent work ethic, and a growth-focused mindset. Skilled at building scalable web apps with clean, reusable, and efficient code. Excited to learn, contribute, and inspire in a junior software engineer role.

Education

Degree	Institution	Discipline	Result
B.Sc	**United International University**	Computer Science & Engineering	CGPA: 3.00 / 4.00
HSC	**Ideal College, Dhanmondi**	Science	GPA: 4.00 / 5.00
SSC	**Barishal Zilla School**	Science	GPA: 5.00 / 5.00

Projects

→ React Movie Discovery App
○ Repository

- Live Demo: mhtbtanvir.github.io/ReactMovieApp
- Integrated the **TMDB API** to fetch trending movies and support real-time search with live results.
- Built reusable **React components** for movie cards, search bar, and spinner, ensuring a clean and modular structure.
- Ensured full **responsiveness** across devices (mobile, tablet, desktop).
- Optimized search performance using **debounced input** and implemented real-time search count tracking with **Appwrite**.

→ Inventory Management System
○ Repository

- Live Demo: stockit-tm.vercel.app
- Developed with **Next.js, Tailwind CSS, Redux Toolkit** frontend and a **Node.js (Express)** backend using **Prisma ORM** and **PostgreSQL**. UI enhanced with **Material UI** and **Recharts**.
- Key features: real-time stock tracking, dark mode, interactive analytics, and a fully **responsive interface**.
- Deployed frontend via **Vercel**, backend using **Vercel Serverless Functions**.
- Database hosted on **Railway**; schema synced with Prisma in backend. Environment variables managed in Vercel.

→ NLP: Transformer Model for Text Classification
○ Repository

- Built a custom Transformer model in **TensorFlow** with Gaussian-scaled attention for stable convergence and faster learning.
- Achieved **87% accuracy** on the IMDb dataset, outperforming the baseline model during early training epochs.

→ Hotel Management System (Secure Booking Platform)
○ Repository

- Designed a hotel reservation system with real-time availability and booking.
- Built a secure admin panel with OTP-based 2FA, email verification, and reCAPTCHA.
- Developed with **PHP, MySQL, JavaScript, Bootstrap**, integrating SMS API and reCAPTCHA for authentication.

Skills

Frameworks	React, Next.js
Frontend	HTML5, CSS3, JavaScript (ES6+), TypeScript, Tailwind CSS, Material UI
Backend	Node.js, Express, Prisma, Flask, FastAPI
Programming languages	Python, C++, Java
Tools & Platforms	Git, GitHub, Postman, Docker, Linux, Figma, Jira
Databases	MongoDB, MySQL, PostgreSQL
Languages	English, Bangla, Hindi

Strengths

- Strong problem-solving and analytical skills
- Excellent teamwork and communication abilities
- Adaptability and quick learning mindset
- Attention to detail and quality-focused
- Passionate about continuous improvement and growth

Committed to mastering full-stack development and building intelligent AI-powered systems, with a persistent focus on continuous learning, resilience, and a strong goal-oriented mindset.

Address

Present Address:

Bashundhara R/A, Block G
Road 15, House 12/s

Permanent Address:

Jaman Kutir, Khan Bari
West Kawnia, Barishal Sadar
Barishal

Personal Information

Father's Name:	Md. Abual Kalam Azad	**Mother's Name:**	Mst. Delora Begum
Date of Birth:	1 June 2000	**Gender:**	Male
Blood Group:	O+		

References

Mr. Nahid Hossain
Assistant Professor, Dept. of CSE & UG Program Coordinator
United International University
Email: nahid@cse.uiu.ac.bd

Md. Zakir Hossen Khan
Assistant Teacher
Barishal Zilla School
Phone: 01912179277

I hereby declare that the above information is true and correct to the best of my knowledge and belief.

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(Signature)