

# Tanveer Mahmood Mahin

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🌐 [Tanveer Mahmood](#)

🐙 [github.com/Tanveer](https://github.com/Tanveer)

## Education

<b>Islamic University Of Technology, IUT-OIC</b> <i>Bachelor of Science in Electrical and Electronic Engineering (GPA: 3.31 / 4.00)</i>	2020-2024
<b>Notre Dame College</b> <i>HSC (GPA: 5.00 / 5.00)</i>	2017-2019
<b>St.Joseph Higher Secondary School</b> <i>SSC (GPA: 5.00 / 5.00)</i>	2009-2017

## Experience

<b>iTest Bangladesh</b> <i>Trainee Design Verification Engineer</i> <ul style="list-style-type: none"><li>Applied OOP concepts to develop testbenches in systemverilog to achieve functional verification of various DUTs.</li><li>Contributed in PCB design team designing loadboards using Allergo design suite.</li></ul>	Nov 2024 – July 2025
<b>RankWizards LLC</b> <i>SEO Content Writer</i> <ul style="list-style-type: none"><li>Functioned as a team player to maximize efficiency and worked effectively under pressure to meet deadlines.</li><li>Conducted in-depth and thorough research on several topics to generate high quality content.</li></ul>	Jan 2022 – Nov 2022
<b>Notre Dame International Understanding and Relations Club</b> <i>Executive Committee Member</i> <ul style="list-style-type: none"><li>Organised Notre Dame College Model United Nations 2018.</li></ul>	Oct 2017 – Mar 2019

## Projects

<b>Sign Language Detection using OpenCV And Mediapipe Library</b>   <i>Python,Tensorflow,mediapipe</i> <ul style="list-style-type: none"><li>Implemented dataset generation by taking live feed input from webcam leveraging mediapipe holistics.</li><li>Trained custom LSTM model for real-time detection</li></ul>
<b>Braille Detection using Deep CNN</b>   <i>Python,Ultralytics,Tensorflow,Roboflow</i> <ul style="list-style-type: none"><li>Link to Github Repository</li><li>Final year thesis on braille detection.Prepared a custom Bangla braille dataset by annotating using roboflow bounding boxes. For detection used YOLOv8 and custom CNN architecture.</li></ul>
<b>Bangla Literature RAG Assistant</b>   <i>Python,Pytesseract,Ollama,ChromaDB,FastApi</i> <ul style="list-style-type: none"><li>Link to Github Repository</li><li>A multilingual Retrieval-Augmented Generation (RAG) system that understands Bangla and English queries.</li><li>Retrieves relevant passages from a Bangla literature PDF, and generates precise answers using a local LLM</li></ul>
<b>Eloquence bot : A LLM powered agentic AI Chatbot for quotes</b>   <i>React,Node,MongoDB,Express,Groq</i> <ul style="list-style-type: none"><li>Link to Github Repository</li><li>Used React+Vercel for frontend, MongoDB+Express+Railway for backend.</li><li>Implemented State management, REST API, Agentic AI workflow.</li></ul>
<b>The Cloud BookCafe –A Full Stack Book Review Website</b>   <i>React,Node,MongoDB,Express,Groq</i> <ul style="list-style-type: none"><li>Link to Github Repository</li><li>Used React+Tailwind+Vercel for frontend,Firebase for authentication, MongoDB+Express+Railway for backend.</li><li>Implemented REST API, State management, Login authentication with firebase.</li></ul>

## Competitions

<b>Data War, National Telco Warfare 2024 by EWU Telecommunications Club</b>   <i>Python,Jupyter Notebook,Tensorflow</i> <ul style="list-style-type: none"><li>Top 14 out of 70 participants. Displayed practical use of theoretical knowledge by extracting useful insights and correlations from vast array of data using data analytics and machine learning techniques.</li></ul>
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## Technical Skills

**Languages:** C,C++, MatLab, Python,HTML,System Verilog,JavaScript  
**Technologies:** Pandas, NLTK,TensorFlow, PyTorch, Allegro,React