TANMOY NATH

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EDUCATION

•**National Institute of Technology, Silchar** *2021-2025*
B. Tech in Electrical Engineering CGPA: 8.40

•**Cotton University, Guwahati** *2018-2020*
AHSEC, Assam Percentage: 75.6

•**Happy Child English School, Sipajhar** *2008-2018*
SEBA, Assam Percentage: 93.5

EXPERIENCE

•**NIT SILCHAR** *May, 2024 - July, 2024*
Internship under SN Bose Internship Program
– **Alzheimer's Disease Detection using Deep Learning** under Dr. Tripti Goel(Asst. Prof. ECE Dept., NIT Silchar

PROJECTS

– **SnapSum** github | *SnapSum*
an article summarizer

* Developed a website using **Vite.js** for fast and efficient web development.
* Utilised **Tailwind CSS** for responsive and customizable styling of the website.
* Implemented **Redux Toolkit** for state management, allowing for efficient data flow and updates.
* Integrated **React** for building dynamic and interactive user interfaces.
* Leveraged the power of the **OpenAI GPT-4 API** for article summarization.

–**Auction Avenue**
A dynamic auction platform enabling users to place bids and purchase items directly from the auction page.

* Designed and implemented a user-friendly interface using **Next.js**, **TypeScript**, and the **ShadCN UI Library** to ensure a seamless user experience.
* Utilized **PostgreSQL** for robust data management and **Drizzle ORM** for efficient database operations.
* Integrated **OAuth authentication** with **NextAuth** to provide secure user login and authentication mechanisms.
* Implemented **R2 Image Storage** for efficient and scalable image handling.
* Developed and optimized **RESTful APIs** to support real-time bidding and item purchase functionalities.

– **Flipzo** github | *Play*
A fun flip card game that challenges your memory and concentration skills.

* Flipzo is a flip card game developed using **HTML**, **CSS**, and **JavaScript.** Players are tasked with flipping cards to match pairs within a set time limit. The game features an intuitive user interface, smooth animations, and dynamic gameplay that challenges memory and concentration skills.

ACHIEVEMENTS

– **Specialist on Codeforces** max rating - **1412** *Codeforces*
– **3 star on Codechef** max rating - **1680** *Codechef*
– **Knight on Leetcode** max rating - **1870** *Leetcode*
– **Solved more than 1000 problems** across various platforms involving various algorithmic challenges.

TECHNICAL SKILLS

Programming Languages: C, C++
Developer Tools: HTML, CSS, ReactJS, NodeJS, PostgreSQL, NextJS, Express, MongoDB
Other Skills : Data Structures and Algorithms, Object Oriented Programming, DBMS, Git, Github, MySQL, Tailwind CSS, Javascript.