

Tamojit Das

tamojitdas181007@gmail.com | (+91) 7439010664 |

LinkedIn Profile: <https://www.linkedin.com/in/tamojit-das-b77b62293>

GitHub Profile: <https://github.com/Tamozit>

Career Objective:

Eager to pursue a career in Software Engineering, aspiring Full Stack Developer and LLM Engineer. Capable of building and designing robust, full stack web applications with efficient utilities.

Projects:

- **Nemesis – Online Chatting App:** A small scale real-time online chatting platform to chat with friends and build a community. Frontend has been built using *React.js*, *Tailwind CSS* and *Daisy UI*, backend (with integrated web security protocols like password hashing, JWT, cookies, etc.) built using *Node.js* with *Express.js*, *MongoDB* and *Socket.io*. <https://nemesis-owrb.onrender.com/>
- **Instagram clone:** A web application which works along the footsteps of the well-known social media site - Instagram, built using *React.js* for Frontend & *Firebase* for backend services (client-side authentication, database & storage). <https://insta-for-noobs.vercel.app/>
- **MyGPT:** An attempt to make a Text-based AI chatting website using *OpenAI API's GPT-3.5-turbo* endpoint. Frontend build using *Typescript* with *React.js* and *Material UI*. Backend has been built using *Node.js* with *Express.js*, *MongoDB*, as well as *Axios* for seamless integration.
- **RedHope:** A frontend-based project aimed at creating a Blood Donation & Blood Bank website, implemented using *React.js* with *JavaScript*, *CSS3* & *Python* for generating artificial *JSON data* for the application. <https://redhope.onrender.com>
- **Containerized Blog Post App – Backend:** A small-scale production grade backend Blog Post app developed using *Node.js* with *Express.js*, *Docker*, *MongoDB*, *Redis*, *Docker*, *Docker Hub*, *NGINX* & *Docker Swarm*. <https://github.com/Tamozit/DevOps-Docker>
- **Musica:** A music streaming, reviewing & practicing website, built using *HTML5*, *CSS3*, *JavaScript* & “*iTunes search*” API. (Designed for desktops). <https://musica-music-app-reviews-practice.netlify.app/>

Hackathons & Competitions:

- **SIF - Space Hackathon 2023 Finalist | Indian International Science Festival, 2023 | Dec'23 – Jan'24**
Designed an interactive user interface to unveil interconnected patterns and Hotspots in Synergized Landscape Dynamics, economic growth and environmental data for informed Decision-making. The interface accepts the landform map of a region and predicts the potential hotspots for economic growth, by analysing landscape patterns & environmental data.
- **Task Whiz 2023 | Techfest, IIT Bombay | Nov'23**
Worked as a web developer in “Intelligent Task Management System” project which implemented Smart Task Allocation System, Predictive Task Prioritization, Performance Analysis and Insights and Sentiment Analysis.

Education:

- Pursuing B.Tech in Computer Science and Engineering | Heritage Institute of Technology, Kolkata (1st Year) | 1st semester SGPA: 9.65
- XII (ISC - 2023) | St. Stephen's School, Dum Dum, Kolkata | Percentage: 96.75%

- X (ICSE – 2021) | St. Stephen's School, Dum Dum, Kolkata | Percentage: 96.80%

Skills:

- **Frontend Tools & frameworks:** HTML5, CSS3, JavaScript, React.js, Tailwind CSS.
- **Backend Tools & frameworks:** Node.js (Express.js), JavaScript, Typescript, Socket.io, NGINX.
- **Databases:** MongoDB, Redis.
- **Dev-Ops:** Docker, Kubernetes, Jenkins, Google Cloud.
- **Backend as a Service (BAAS):** Firebase.
- **Deployment and Version control:** GitHub, Vercel, Render.
- **Other Programming Languages:** Java, Python, C.
- **Data Structures and Algorithms:** Java

Co-Curricular Achievements:

- **1st Runners up at Entropy 2024 | F.E.T.S.U. presents Srijan'24, JU | March'24**
Worked as CMO on a proposed business model "Vidyut", which aimed at mitigating the prevalent problems with the present Lithium-ion batteries centric EV industry. Our proposed solution was to introduce Zinc-Manganese batteries with Nano-Bolt charging facility.