

# TONMOY TALUKDER

## Full Stack Developer

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🐙 [TonmoyTalukder](#)

in [tonmoytalukder](#)

🌐 [tonmoytalukder.github.io/dev](https://tonmoytalukder.github.io/dev)

## Experience

**Research Engineer** (Contractual)

**CRC Research Center** | (February, 2024 – June, 2024)

- Collaborating in a project that focuses on extensive data pre-processing, time series analysis, GAN-based artificial data generation, GPS data processing, and various other explorations.

## Technical Skills

<b>Languages</b>	: TypeScript, JavaScript, Python, C/C++, Bash, and Markup Language (HTML, CSS)
<b>Frameworks</b>	: React JS, Next JS, Node JS, Express JS, Redux, TanStack Query, React Router, Hash Router, React Hook Form, JWT, Rest API, Tailwind CSS, Ant Design, Next UI, MUI, React Flow, Framer Motion, Prisma, Docker
<b>Database</b>	: NoSQL (MongoDB), PostgreSQL, PL/SQL
<b>Deep Learning Skills</b>	: Neural Network, CNN, RNN, LSTM, Encoder-Decoder, Transformers
<b>Tools</b>	: Anaconda 3, Colab, VS Code, Git, LaTeX
<b>Additional Skills</b>	: Pytorch, Tensorflow, Scikit, NLTK, EDA, Data Preprocessing, Full Stack Web Development (MERN)

## Projects

- **Cheffy**  
**Description:** A recipe sharing social media platform with NextJs using TypeScript, that user can easily share recipe, vote or rate recipe.  
**Technologies:** Next.js, Next UI, TanStack Query, Typescript, Tailwind CSS, Node.js, Express.js and MongoDB.  
[Live Website](#) | [Client-Side GitHub Repository](#) | [Server Side GitHub Repository](#)
- **SportifyNow**  
**Description:** A sport facility booking platform with React + Vite using TypeScript, that user can easily book a sport facility with integrated payment system, review or earn rewards.  
**Technologies:** React, Redux, Ant Design, Typescript, Tailwind CSS, Node.js, Express.js and MongoDB  
[Live Website](#) | [Client-Side GitHub Repository](#) | [Server Side GitHub Repository](#)
- **VerdantSpace**  
**Description:** A nursery e-commerce website allow users to browse, filter, and search for products, add products to their cart to place order. Additionally, there is a product and category management section for CRUD operations.  
**Technologies:** React, Redux, Ant Design, Typescript, Tailwind CSS, Node.js, Express.js and MongoDB  
[Live Website](#) | [Client-Side GitHub Repository](#) | [Server Side GitHub Repository](#)
- Additional project insights can be found at: <https://tonmoytalukder.github.io/dev>.

## Education

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**B.Sc. in Computer Science and Engineering**

*Ahsanullah University of Science Technology*

**Thesis:** Bengali Key-to-Text: Text Generation from Keywords in Bengali

May, 2023

Dhaka, Bangladesh

## Research Paper

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(\* denotes equal contribution, names are listed in alphabetical order).

G. M. Shahariar\*, **Tonmoy Talukder\***, Rafin Alam Khan Sotez, and Md. Tanvir Rouf Shawon. “**Rank Your Summaries: Enhancing Bengali Text Summarization via Ranking-based Approach.**” In *2<sup>nd</sup> International Conference on Big Data, IoT and Machine Learning (BIM)*, 2023.

Ongoing research insights can be found at: <https://tonmoytalukder.github.io/research>.

## Teaching Experience

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**Mentor** (Senior Section)

Technovation Girls Challenge

Responsible for mentoring students to learn App Development by applying AI & Machine Learning Tools.

December, 2021 – Present

California, USA

## Activities

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- Intra Aust Programming Contest | 7<sup>th</sup> Position, Junior Division February, 2019  
Ahsanullah University of Science and Technology, Dhaka
- Makers’ Mania – Programming Contest | 4<sup>th</sup> Position, Junior Division September, 2018  
Independent University Bangladesh, Dhaka

## Achievements

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- Certificate of “**Complete Web Development (MERN Stack)**”, Programming Hero 2022
- Certificate of “**Machine Learning with Python**”, EMK Center 2021
- Certificate of “**Data Analysis with Python**”, EMK Center 2021
- Certificate of “**Data Visualization with Python**”, EMK Center 2021
- **Government Scholarship**, Dhaka Board 2009, 2012, 2015

## Reference

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Department of Computer Science and Engineering

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