NITISH BISWAS

Software Engineer, Researcher

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I would like to build up my career where professionalism is more important. My aim is to be a professional Software Engineer. My vision is to build up a successful and stable career with my hard work, honesty and regularity.

EDUCATION

Dhaka International University — *Dhaka, Bangladesh*

B.SC. IN COMPUTER SCIENCE AND ENGINEERING — *Aug, 2018 – Sep, 2022*

- **Project and Thesis Title:** Machine Learning-based Hybrid Stroke and Cancer Prediction Applications: A Predictive Analytics Approach.
- **Result:** CGPA – 3.98(out of 4)

EXPERIENCE

Junior Software Engineer at **WeTech Digital**, — *Dhaka, Bangladesh*

Dec, 2022 – Present

Results-driven Junior Software Engineer with a passion for developing innovative solutions using React, React Native, Next.js, TypeScript, Tailwind CSS, and Native Base. Proficient in multiple programming languages and experienced in full-stack development. Committed to delivering high-quality code, ensuring optimal user experiences, and collaborating effectively with cross-functional teams to achieve project success.

Research Assistant of **Dr. Hafiz Md. Hasan Babu**, — *Dhaka, Bangladesh*

Jul, 2020 – Sep, 2022

Dedicated Research Assistant with a focus on quantum computing and DNA computing under the guidance of Dr. Hafiz Md. Hasan Babu, Dean of Faculty of Engineering and Technology at Dhaka University. Experienced in conducting in-depth research, analyzing complex data, and contributing to advancements in the fields of quantum computing and DNA computing.

PROJECTS

Viral Print is a visually appealing and user-friendly website that offers a wide range of customizable print-on-demand products. With its seamless navigation and captivating design, the platform provides an enjoyable shopping experience for users looking to express their unique style through personalized merchandise. — *March, 2022 - Present*

Tooling – NextJS, Typescript, Tailwind CSS, MySQL

Jugol App is a digital platform that facilitates the process of finding a life partner. Users create a profile with their personal information and search for compatible matches based on criteria such as age, location, education, occupation, and more. The app may offer features like messaging, video calling, and matchmaking algorithms to help users connect and build relationships. The ultimate goal of a Jugol app is to help people find a compatible life partner and start a successful and fulfilling marriage. — *Dec, 2022 - Present*

Tooling – React Native, Native Base, Typescript, NodeJS, MongoDB

TRAINING

- ✓ Complete Guide to Android & IOS App Development with React Native from DevSkills. *(Certificate)*
- ✓ React Native - The Practical Guide from Udemy.
- ✓ React Native for Multiplatform App Development from Bohubrihi. *(Certificate)*
- ✓ The Complete React Course from Pondit.
- ✓ The Complete React Redux Node Express MySQL Developer Course from Udemy. *(Certificate)*
- ✓ HTML, CSS, React - Certification Course for Beginners. *(Certificate)*
- ✓ Spoken English in S@ifurs.

SKILLS

Programming Language	React, NextJS, React Native, Native Base, Typescript, Tailwind CSS, RTK Query.
Problem Solving	Solved more than **250** problems from URI, toph, codeforces, and HackerRank.
Version Controlling	GitHub, Git.
Text Processing	Latex, Microsoft Office.
Language	Bengali, English, Hindi

PAPER AND PUBLICATIONS

Journal

1. N. Biswas, K.M.M. Uddin, S.T. Rikta et al., A comparative analysis of machine learning classifiers for stroke prediction: A predictive analytics approach, Healthcare Analytics (2022), ***doi:*** https://doi.org/10.1016/j.health.2022.100116. (Publisher: Elsevier)***.***
2. K. M. Mohi Uddin, N. Biswas, S. T. Rikta, S. K. Dey, and A. Qazi, "XML-LightGBMDroid: A self-driven interactive mobile application utilizing explainable machine learning for breast cancer diagnosis," Engineering Reports, 2023, **doi:** https://doi.org/10.1002/eng2.12666.
3. K. M. M. Uddin, N. Biswas, S. T. Rikta, and S. K. Dey, "Machine learning-based diagnosis of breast cancer utilizing feature optimization technique," Computer Methods and Programs in Biomedicine Update, vol. 3, p. 100098, 2023, **doi:** https://doi.org/10.1016/j.cmpbup.2023.100098.
4. S. T. Rikta, K. M. M. Uddin, N. Biswas, R. Mostafiz, F. Sharmin, and S. K. Dey, "XML-GBM lung: An explainable machine learning-based application for the diagnosis of lung cancer," J Pathol Inform, vol. 14, p. 100307, 2023, **doi:** https://doi.org/10.1016/j.jpi.2023.100307.
5. K. M. Mohi Uddin, R. Ripa, N. Yeasmin, N. Biswas, and S. K. Dey, "Machine learning-based approach to the diagnosis of cardiovascular vascular disease using a combined dataset," Intell Based Med, vol. 7, p. 100100, 2023, **doi:** https://doi.org/10.1016/j.ibmed.2023.100100.

CURRICULUM ACTIVITIES

- ✓ Member of Dhaka International University Programming Club.
- ✓ Member of Bangladesh Data Science Society.
- ✓ As an organizer of Mujib Borsho IT carnival 2020, DIU.