



# NITISH BISWAS

App Developer, Researcher

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**Research Interest:** Quantum Computing, Machine Learning, Cyber Security, Image Processing, Artificial Intelligence.

## 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

Research Assistant of Dr. Hafiz Md. Hasan Babu,

Dhaka, Bangladesh

Dean, Faculty of Engineering and Technology, Dhaka University.

Jul, 2020 – Sep, 2022

## PROJECTS

- ✓ Applications for mobile and web that use machine learning, react and react native to predict strokes.
- ✓ Applications for mobile and web that use machine learning, react and react native to predict breast cancer.
- ✓ Breast Cancer Prediction mobile application using explainable machine learning and react native.
- ✓ Store Password Mobile application using React Native with Firebase Realtime database and Firebase Authentication.
- ✓ Store Password Mobile application using React Native with MySQL Database and Express.js.
- ✓ To-Do List Mobile application using React Native with local storage.
- ✓ Tic-Tac-Toe Game using React Native.
- ✓ Restaurant Search App using React Native.
- ✓ Weather Application using React Native.

## 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.
- ✓ Spoken English in S@ifurs.
- ✓ Spring Framework for Beginners with Spring Boot from Udemy. ([Certificate](#))

## SKILLS

**Programming Language** JavaScript (*React, React Native, Node.js*), Python (*Machine Learning, Flask*), Java, C.

**Problem Solving** Solved more than **200** problems from URI, toph, codeforces.

**Version Controlling System** 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.M. Uddin, N. Biswas, S.T. Rikta, S.K. Dey, "Machine Learning-based Diagnosis of Breast Cancer Utilizing Feature Optimization Technique", Journal: Computer Methods and Programs in Biomedicine Update (**Under review**).
3. N. Biswas, K.M.M. Uddin, S.T. Rikta, S.K. Dey, " Explainable Machine Learning Can Outperform Stroke Predictions and Hybrid Stroke Prediction Application: A Predictive Analytics Approach", Journal: Healthcare Analytics (**Under review**).
4. K.M.M. Uddin, N. Biswas, S.T. Rikta, S.K. Dey, A. Qazi, "XML-LightGBMDroid: A Self-Driven Interactive Mobile Application Utilizing Explainable Machine Learning for Breast Cancer Diagnosis", Journal: Artificial Intelligence in Medicine (**Under review**).
5. K.M.M. Uddin, N. Biswas, S.T. Rikta, R. Mostafiz, S.K. Dey, "XML-GBMLung: An Explainable Machine Learning based Application for the Diagnosis of Lung Cancer", Expert Systems With Applications (**Under review**).

### *Conference Papers*

1. H. M. H. Babu, K. M. M. Uddin, R. B. Himel and N. Biswas, "Quantum Technology for Comparator Circuit," 2022 23rd International Symposium on Quality Electronic Design (ISQED), 2022, pp. 1-1, **doi:** [10.1109/ISQED54688.2022.9806275](https://doi.org/10.1109/ISQED54688.2022.9806275).
2. H. M. H. Babu, K. M. M. Uddin, N. Biswas and S. T. Rikta, DNA Multiplier: A Design Architecture of a Multiplier Circuit Using DNA Molecules, London, United Kingdom. [link](#)

## CURRICULUM ACTIVITIES -----

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

## REFERENCES -----

1. **Dr. Hafiz Md. Hasan Babu, PhD (Kyushu Institute of Technology, Japan)**
  - Dean, Faculty of Engineering and Technology, Dhaka University.
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