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*.*

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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2. **Md. Abdul Based, Research Fellow (NTNU, Norwegian)**

   - Professor, Department of Computer Science and Engineering, Dhaka International University.
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3. **Khandaker Mohammad Mohi Uddin**

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