



UTSHAB KUMAR GHOSH

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Dhaka, Bangladesh

OBJECTIVES

I have been working with Machine Learning and Data Science for 3+ years. My main motto is to collaborate in the field of Data Science, Machine Learning, and Deep Learning, as an ML Engineer or a Data Scientist. With the knowledge of competitive programming and back-end development along with ML competitions in Kaggle, I want to gather experience and knowledge from a based environment and to make some contributions to humankind.

WORK EXPERIENCE

- Oct 2020– Sep 2022** **AI Research Assistant**
MyMedicalHUB Int. – Florida, USA (Remote)
Department: Machine Learning
 - Gait Analysis Project
 - Sports Video and Image Analysis Project
 - Worked with AWS, Apache Server, REST API
- Dec 2017– Jan 2020** **Smart Book Writer**
10 Minute School – Dhaka, Bangladesh
Department: Mathematics & Physics

EDUCATION

- Bachelor of Science in Computer Science & Engineering (2017 – 2022)**
CGPA: 3.22 (out of 4.00)
Department of Computer Science & Engineering,
Rajshahi University of Engineering & Technology, Rajshahi-6204, Bangladesh
- Higher Secondary School Certificate (2014 – 2016)**
GPA: 5 (out of 5.00)
Saint Joseph Higher Secondary School, Dhaka, Bangladesh
- Secondary School Certificate (2009 – 2014)**
GPA: 5 (out of 5.00)
Motijheel Ideal School & College, Dhaka, Bangladesh

SKILLSET

- Data Science, Machine Learning, & Deep Learning** Python, Data Analysis & Visualization, ANN, CNN, Supervised & Unsupervised Learning Algorithms, Feature Engineering, Feature Selection & Extraction.
- Frameworks, Library & Tools** Tensorflow, Keras, OpenCV, NumPy, Pandas, Scikit-Learn, Tableau, Excel Spreadsheet.
- Programming** Python, C, Data Structures & Algorithms.
- Web Development** HTML, CSS, Tailwind, Javascript, Django.
- Mathematics for ML & DL** Algebra, Statistics, Possibility, Geometry, Matrix.
- Database** MySQL.
- Miscellaneous** Git, Linux, AWS, Latex, MS Office, Adobe Illustrator.
- Interpersonal Skills** Management, Teamwork, Leadership, Multitasking

RESEARCHES AND PROJECTS

- **Bone Marrow Cell Classification** (Ongoing)
Field: Biomedical Image
- **Accurate Gait Recognition with Inertial Sensors using a New FCN-BiLSTM Architecture**
Authors: Nahian Rifaat¹, *Utshab Kumar Ghosh*¹, Abu Sayeed
Journal: *Computers and Electrical Engineering* (Q1, Available: <https://Inkd.in/g8QZYgMt>)
Field: Biometrics
- **Most Dominant Metabolomic Biomarkers Identification for Lung Cancer**
Authors: *Utshab Kumar Ghosh*¹, Fuad Al Abir, Nahian Rifaat, S.M. Shovan, Abu Sayeed, Md. Al Mehedi Hasan
Journal: *Informatics in Medicine Unlocked* (Q2, Available: <https://Inkd.in/gh8ZaeHK>)
Field: Bioinformatics
- **My Machine Learning Projects**
Github Repo: https://github.com/utshabkg/ML_Competition-AND-Practice
- **Django Ecommerce Site** (Sessional Project)
Field: Web Development
Supervisor: Asst. Prof. Barshon Sen, Rajshahi University of Engineering & Technology
- **Slither Game** (Sessional Project)
Field: PyGame
Supervisor: Prof. Dr. Md. Rabiul Islam, Rajshahi University of Engineering & Technology

COMPETITIONS

- **Kaggle TensorFlow - Help Protect the Great Barrier Reef** (*Video Dataset*)
Top 49% (1019th out of 2109)
- **Kaggle PetFinder.my - Pawpularity Contest** (*Image Dataset*)
Top 13% (443th out of 3545)
- **DataHack Traffic Forecasting** (*Time Series Dataset*)
Time Series Forecasting (Running)
- **HackerEarth ML Challenge: Fast, Furious and Insured** (*Image & Tabular Dataset*)
Classification & Regression (86th out of 2796)
- **HackerEarth ML Challenge: A Fine Windy Day** (*Tabular Dataset*)
Regression (54th out of 2034)

SPECIALIZATION ACCOMPLISHMENTS

- **Kaggle Expert** (x3)
- **Deep Learning Specialization**
Institute: deeplearning.ai

- **Applied Data Science Specialization**

Institute: IBM

- **Data Scientist Career Track**

Institute: Datacamp

- **AI for Medical Diagnosis**

Institute: deeplearning.ai

- **300+ Problems solved at** Codeforces, Codechef, LightOJ and other Online Judges.

- **Gold Medalist:** National High School Programming Contest

EXTRA CURRICULAR ACTIVITIES

- **Co Founder** (*January, 2019 - Present*)

Code Studio, A software company that builds Mobile and Web Application.

- **Asst. Publication Secretary** (*March 2018 - December 2019*)

RUET Career Forum

- **Vice President (Admin)** (*February, 2021 - October, 2022*)

Onuronon, RUET Cultural Club

- **Founder and Keyboardist**

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PERSONAL DETAILS

Date of Birth	December 31, 1998
Gender	Male
Nationality	Bangladeshi
Religion	Hinduism
National Id No.	9577605968
Passport No	BP0436488
Passport Issue Date	6/11/2017
Blood Group	O ₊ ve

REFEENCE(S)

Name	Dr. Md. Al Mehedi Hasan	Abu Sayeed
Organization	Rajshahi University of Engineering & Technology, University of Aizu, Japan	Rajshahi University of Engineering & Technology
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Relation	Research and Projects Supervisor	Thesis Supervisor