UTSHAB KUMAR GHOSH

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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, Apace 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 Enginneering, Feature Selection & Extraction.
- **Frameworks & Library** — Tensorflow, Keras, OpeCV, NumPy, Pandas, Scikit-Learn.
- **Programming** — Python, C, Data Structures & Algorithms.
- **Web Development** — HTML, CSS, Tailwind, Django, Javascript
- **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 Rifaat[1], *Utshab Kumar Ghosh*[1], Abu Sayeed

  Journal: [Computers and Electrical Engineering](#) (**Q1**, **Available:** https://lnkd.in/g8QZYgMt)

  Field: Biometrics

- **Biomarker Detection of 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://lnkd.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 CURRCULAR ACTIVITES _____

- **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**

  Plectrum Band

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