UTSHAB KUMAR GHOSH

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OBJECTIVES

I have been working with Python, Machine Learning and Data Science for 4+ years. My main motto is to collaborate in the field of Software Development as well as Machine Learning, as a Software Engineer. With the knowledge of competitive programming, full stack development and ML competitions, I want to gather experience from a based environment and to make some contributions to humankind.

WORK EXPERIENCE

Dec 2022–Present

Jr. Software Engineer
Nascenia Ltd. – Dhaka, Bangladesh
Department: Machine Learning & Full Stack Dev
- Project: TourkeyStay in Laravel Framework.
- Building Components with Javascript, React, PHP, Laravel.
- Chatbot with NLP, RASA.

Feb 2023–Present

Mentor
Code Studio Academy – Dhaka, Bangladesh
Department: Python, Machine Learning & Data Science

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, Django 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, Bangladesh
- **Higher Secondary School Certificate** *(2014 - 2016)*
  GPA: 5 (out of 5.00)
  Saint Joseph Higher Secondary School, Bangladesh
- **Secondary School Certificate** *(2009 - 2014)*
  GPA: 5 (out of 5.00)
  Motijheel Ideal School & College, Bangladesh

SKILLSET

- **Programming** — Python, C, Data Structures, OOP & Algorithms.
- **Data Science, Machine Learning, & Deep Learning** — 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.
- **Mathematics for ML & DL**   Algebra, Statistics, Possibility, Geometry, Matrix.
- **Web Development**   ReactJS, SaaS, Tailwind, JavaScript, Django, Laravel.
- **Database**   MySQL, MariaDB, Firebase, MongoDB.
- **Miscellaneous**   Git, Linux, AWS, Apache Server, Docker, Latex, MS Office, Adobe Illustrator, Premiere Pro.
- **Interpersonal Skills**   Management, Teamwork, Leadership, Multitasking.

RESEARCHES AND PROJECTS_____

- **Bone Marrow Cell Classification** (Ongoing)

  Field: Biomedical

- **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

- **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://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

- **IMDB Clone** (ReactJS Project)

  Field: Web Development

  Deployed: https://moviereview-utshabkg.vercel.app/

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)
- **300+ Problems solved at** Codeforces, Codechef, Leetcode, and other Online Judges.
- **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
- **Gold Medalist:** National High School Programming Contest

EXTRA CURRCULAR ACTIVITES

- **Co Founder** *(January, 2019 – May, 2023)*

  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, Keyboardist, and Guitarist**

  Plectrum, a Bangladeshi Band

PERSONAL DETAILS

Date of Birth	December 31, 1998
Gender	Male
Nationality	Bangladeshi
Religion	Hinduism
National ID No.	9577605968
Passport No	A08155913
Blood Group	O_{+ve}

REFEENCE(S)

Name	**Dr. Md. Al Mehedi Hasan**	**Abu Sayeed**
Organization	Rajshahi University of Engineering & Technology,	Rajshahi University of Engineering & Technology
Designation	Professor	Assistant Professor
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Relation	Research and Projects Supervisor	Thesis Supervisor