



# UTSHAB KUMAR GHOSH

📞 +8801701067875, +8801623642710

✉ [kumarutshab@gmail.com](mailto:kumarutshab@gmail.com)

in [www.linkedin.com/in/utshabkg](https://www.linkedin.com/in/utshabkg)

🌐 [www.github.com/utshabkg](https://www.github.com/utshabkg)

www [utshabkg.github.io](https://utshabkg.github.io)

🌍 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

- **Dec 2022– Present**  
**Jr. Software Engineer**  
**Nascenia Ltd.** – Dhaka, Bangladesh  
**Department:** Machine Learning & Full Stack Dev
  - Chatbot with NLP, RASA.
  - Building Components with PHP, WordPress, Twig, Timber, SaaS, JavaScript.
- **Feb 2023– Present**  
**Mentor**  
**Code Studio Academy** – Dhaka, Bangladesh  
**Department:** 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, 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, 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

- **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, SaaS, Tailwind, JavaScript, Django, PHP, WordPress.
- **Mathematics for ML & DL** Algebra, Statistics, Possibility, Geometry, Matrix.
- **Database** MySQL, MariaDB.
- **Miscellaneous** Git, Linux, AWS, Apache Server, Latex, MS Office, Adobe Illustrator.
- **Interpersonal Skills** Management, Teamwork, Leadership, Multitasking.

## RESEARCHES AND PROJECTS

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- **Bone Marrow Cell Classification** (Ongoing)  
**Field:** Biomedical
- **Accurate Gait Recognition with Inertial Sensors using a New FCN-BiLSTM Architecture**  
**Authors:** Nahian Rifaat<sup>1</sup>, *Utshab Kumar Ghosh*<sup>1</sup>, 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*<sup>1</sup>, 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](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

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- **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**  
**Plectrum**, a Bangladeshi Band

## PERSONAL DETAILS

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

## REFERENCE(S)

<b>Name</b>	<b>Dr. Md. Al Mehedi Hasan</b>	<b>Abu Sayeed</b>
<b>Organization</b>	Rajshahi University of Engineering & Technology,	Rajshahi University of Engineering & Technology
<b>Designation</b>	Professor	Assistant Professor
<b>Mobile</b>	+880-1712 205 360	+880-1751 471 785
<b>E-Mail</b>	mehedi_ru@yahoo.com	abusayeed.cse@gmail.com
<b>Relation</b>	Research and Projects Supervisor	Thesis Supervisor