

MD Shaleh Islam Tonmoy

Curriculum Vitae

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Date of Birth: 14th Oct, 1995

Education

- December 2013 - **BSc in Physics**
December 2019 *Shahjalal University of Science and Technology, Sylhet*
○ Obtained a CGPA of **3.07** on a scale of **4.00**.
- November 2015 - **BSc in Computer Science and Engineering (2nd major)**
December 2018 *Shahjalal University of Science and Technology, Sylhet*
○ Obtained a CGPA of **3.50** on a scale of **4.00**.
○ Course works: Algorithms, Data Structures, Computer Networks, Database Systems

Standardized Test Results

- 8th May, 2023 **GRE:** 318 (Quantitative: 168, Verbal: 150), AWA: 3.0
3rd Nov, 2022 **IELTS:** 7.0 (Listening: 8.5, Reading: 6.5, Writing: 6.5, Speaking: 7.0)

Journal Publications

- March 2023 Samya, S.S.R., **Tonmoy, M.S.I.** & Rabbi, M.F. A cognitive behaviour data analysis on the use of social media in global south context focusing on Bangladesh. *Sci Rep* 13, 4236 (2023).
○ Aim for this research to investigate the factors that contribute to the propagation of COVID-19 vaccine misinformation on social media in Bangladesh.
○ DOI link: <https://doi.org/10.1038/s41598-023-30125-w> ↗

Research Experiences

- December 2018 **Why do we share fake news? A cognitive behaviour analysis on the use of social media in global south context**
○ A research to identify any connection between sharing news without verifying with the personal relationship of the news spreader.

Presentation

- April 2023 **Gamification of ICT textbook material to make an interactive learning experience** ↗
CHI 2023 Virtual Workshop hosted by HCI4SouthAsia ↗
Presented a half-baked idea of a project of gamification of Bangladesh ICT textbook content to provide an interactive learning experiences to underprivileged students

Professional Experience

- November 2020 - **Software Developer**
Present *SPURS Restaurants Company* ↗
Murqab, Soor Street, Al-Tijaria Tower, Kuwait City, Kuwait (Remote)
○ Developed the online operations of the company, including web and mobile apps.
○ Set up and maintained continuous integration and deployment pipelines.
○ Responsible for defining the overall structure of the system, including its components, their relationships, and how they will interact with each other.
- July 2019 - **Freelance QA Tester**
February 2023 *Testlio*
Estonia (Remote)
○ Performed usability and functional testing of various software and mobile applications.
- January 2018 - **Freelance Software Developer at Upwork**
January 2022
○ Developed various mobile and web apps
○ Worked as a project manager for a client
- March 2017 - **Game and Android app Developer (Part time)**
November 2017 *HEXit*
Sylhet, Bangladesh

Academic Projects

December 2017 **Answer paper grading assistant** [↗](#)

- A website to help teachers grade their answer paper with help of semantic analysis as part of web engineering course.
- Technology used: django, NLTK, celery (for asynchronous task queue)

June 2017 **Result Management System**

- A web based solution to manage university course registration and manage results directly from teachers.
- Technology used: mySQL, laravel

Extra Curricular and Volunteering Activities

2020 **COVID-19 Relief Efforts**

- Actively participated in fundraising activities to collect funds for COVID-19 relief and organized distribution of food and supplies to low-income families affected by the lockdown.

2014 - 2017 **IT Secretary**

Copernicus Astronomical Memorial of SUST [↗](#)

- Only official astronomical organization of Shahjalal University of Science and Technology, Sylhet. I was a general member, study circle executive and publicity secretary of this organization in 2014, 2015 and 2016.

2014 - 2018 **Member**

Cartoon Factory SUST

- I was an active member of Cartoon Factory SUST, an organization that works with cartoons and comics. I generated ideas for cartoons addressing contemporary social issues.

Skills

Languages BANGLA (First Language), ENGLISH

Programming Languages PYTHON, JAVA, DART, JAVASCRIPT, C, C#, HASKELL, PHP, KOTLIN

Databases MYSQL, POSTGRESQL, FIREBASE

Libraries & frameworks NUMPY, TENSORFLOW, PANDAS, DJANGO, FLUTTER, REACTJS

Tools GIT, DOCKER, JUPYTER, L^AT_EX

Softwares UNITY3D, ADOBE PHOTOSHOP, ADOBE AFTER EFFECTS, ANDROID STUDIO

Online Courses

Coursera **Machine Learning Specialization** [↗](#)

August 2023 *Stanford University, Andrew Ng, DeepLearning.ai*

Completed a comprehensive online specialization covering various aspects of machine learning, including supervised learning, unsupervised learning, deep learning, and neural networks. Developed practical skills in data preprocessing, model building, and evaluation.

Honors and Awards

1. **Champion** in 'Digital Khichuri Challenge-2019' [↗](#).

- This national level hackathon was organized by **United Nations Development Programme (UNDP)** and supported by **Facebook** and **ICT Ministry, Bangladesh**.
- This competition was about finding a digital way to promote harmony and peace in the community hence achieving **Sustainable Development Goals (SDG)**.

2. Awarded **Astronomy for Development Grants** [↗](#) funded by **Office of Astronomy for Development** [↗](#) of the **International Astronomical Union** for an astronomy education related project.

- I developed an android mobile application as part of this project which is available in the Play Store. The app's name is **"Talking Planets: Astronomy App"** [↗](#)

3. **District Champion** of Math Olympiad Secondary level (2009)