

# MD. ATIQRUR RAHMAN

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## Education

### Ahsanullah University of Science and Technology

Bachelor of Science in Computer Science and Engineering

Fall 2018 - Spring 2022

3.841/4.00 CGPA (4<sup>th</sup> Merit Position)

### Govt. Tolaram College

Higher Secondary Certificate Examination

2016 - 2018

4.75/5.00 GPA

### BTRI High School

Secondary School Certificate Examination

2011 - 2016

5.00/5.00 GPA

## Work Experience

### Ahsanullah University of Science and Technology

Adjunct Lecturer

April 17, 2023 – Present

- **Software Development Lab 2 (MERN Stack):** Conducting CSE 2200 (Software Development Lab-2) using the MERN (MongoDB, Express, React, Node.js) stack, supervising students in hands-on projects using modern web development tools and techniques.
- **Numerical Methods Lab:** Conducting (CSE 2202) Numerical Methods Lab, guiding students in the application of various numerical methods and algorithms for solving complex problems in science and engineering.

### Pioneer Alpha Limited

Junior Software Engineer

May 1, 2023 – December 31, 2023

*Experience Letter*

- Built a web application where users can ask questions about academic topics as well as job-related topics. The system can show answers from a large database within a fraction of seconds. The user can also chat with an AI bot that can answer the questions based on the custom dataset.
- **Skills:** NEXT.js, Django Rest Framework, Fast API, Transformer Models, OpenAI APIs, Vector Databases (PgVector, Pinecone), Google Cloud Vision, AWS (Lightsail, Amplify), Docker, Language Chain

## Publications

Google Scholar

- **Md. Atiqur Rahman**, Sanjid Islam Chowdhury, Sadid Rafan, Nahian Jannat, Tahsin Aziz. “**Informational Query Detection on Social Media Posts in Bengali Language Using Machine Learning And Transfer Learning Techniques.**” 2023 IEEE 13th Annual Computing and Communication Workshop and Conference (CCWC) [Paper Link](#)
- **Md. Atiqur Rahman**, Ahmed Saad Tanim, Sanjid Islam, Fahim Pranto, G.M. Shahariar, Md. Tanvir Rouf Shawon. “**Evaluating the Reliability of CNN Models on Classifying Traffic and Road Signs using LIME.**” 2nd International Conference on Big Data, IoT and Machine Learning (BIM 2023) [Paper Link](#)
- Khan Md Hasib, **Md Atiqur Rahman**, Marzia Tahsin, Asif Karim, Sami Azam, Friso DeBoer. “**LFR Waiter: Arduino Based Android Application Controlled Waiter Robot.**” TENCON 2022-2022 IEEE Region 10 Conference (TENCON) [Paper Link](#)
- Khan Md Hasib, **Md Atiqur Rahman**, Mustavi Ibne Masum, Friso De Boer, Sami Azam, Asif Karim. “**Bengali News Abstractive Summarization: T5 Transformer and Hybrid Approach.**” 2023 International Conference on Digital Image Computing: Techniques and Applications (DICTA) [Paper Link](#)

## Projects

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### JobSeeker Web: A freelancing platform

[Link](#)

- A medium between freelancers and hirers in Bangladesh
- **Build using:** Html, CSS, JavaScript, PHP, SQL database, Bootstrap V5, jQuery

### JobSeeker: An Android application for freelancing

[Link](#)

- A user friendly and easy to use android app for freelancing where people can post their requirements and freelancers can accept the job they are interested in
- **Build using:** Android Studio, Java, MongoDB

### Vaccine Distribution System

[Link](#)

- A database management system for managing Covid-19 vaccines and tracking
- **Build using:** NetBeans IDE, Java, Java Swing, MySQL Database

## Technical Skills

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**Languages:** C, C++, C#, Python, Java, JavaScript

**Backend:** Django, FastAPI, .NET

**Frontend:** React, Next, TailwindCSS, HTML, CSS, Bootstrap

**Clouds & Databases:** AWS, PostgreSQL, MySQL, Pinecone

**Web Technologies:** Docker, Redis, NGINX

**Developer Tools:** Postman, VS Code, Visual Studio, GitHub, Figma

## Honours and Awards

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- Dean's List of Honor, AUST
- Champion of AUST CSE Carnival 1.0 Robo Soccer Challenge
- Best paper certificate at IEEE CCWC [Certificate](#)
- 1<sup>st</sup> Winner of TechshopBD Project Competition [Certificate](#)
- On Campus Winner of Hult Prize at AUST [Certificate](#)
- Champion of the Robo Soccer event in CogniBat21 [Certificate](#)
- Winner of Building Standalone Applications using MATLAB [Certificate](#)

## Algorithmic Competitions/Achievements

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- **CodeForces:** Max rating: 1372 (Pupil Rank) [Link](#)
- **Codechef:** Max rating: 1599 (Two Star) [Link](#)
- **LeetCode:** 90+ problems solved [Link](#)
- **AtCoder:** Max Rating: 339 [Link](#)
- **UVA Online Judge:** 126 problems solved [Link](#)
- **TOPH:** 74 Problems solved [Link](#)
- **Intra University Programming Contest Participation:** IAPC'18, IAPC'19, IAPC'20