

Ahmed Samin Yeaser Kabir

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EDUCATION

The Ohio State University

PhD in Computer Science and Engineering, Current CGPA: 3.77 (On a scale of 4.00)

Columbus, Ohio, USA

August 2023 - Present

Research Focus: Vector Database, Similarity Search, Data Management, Data Mining

Research Advisor: Prof. John Paparrizos

University of Dhaka

B.Sc. in Computer Science and Engineering, CGPA: 3.65 (On a scale of 4.00)

Dhaka, Bangladesh

January 2016 - December 2019

Thesis: Utilizing Transfer Learning Approach in Attention-based Neural Network for Bengali Question Answering

Supervisor: Dr. Muhammad Asif Hossain Khan, Professor, University of Dhaka

Thesis Areas: Natural Language Processing, Machine Learning

Thesis Grade: A+

Field of Interests: Data Management, Data Mining, Machine Learning, Natural Language Processing, Data Structure, Algorithm.

EXPERIENCE

The Ohio State University

Graduate Teaching Assistant

Dhaka, Bangladesh

August 2023 - Present

TigerIT Bangladesh Ltd.

Software Engineer

Dhaka, Bangladesh

February 2020 - August 2023

Web Development:

I was part of the team that developed the front end and back end of two large-scale government projects (Nation Identification system and Intelligence system for NTMC). I contributed approximately 70% in the NTMC project whereas I had 20% contributions on the NID project, including but not limited to:

- Developed optimized unified profiling feature in the NTMC project that could create a profile of a certain person by getting data from different government projects using different identification features
- Developed front-end (using Angular and JSP), APIs (Around 200), and back-end (using Spring Boot and Flask frameworks) in these projects
- Syncing data to NID legacy project
- Developed a generic lookup module in the NID project and a generic report generation module in the NTMC project from scratch
- Wrote database migration scripts

Cross-platform Desktop and Mobile app Development:

After working on NID and NTMC projects I was shifted to the CommChat project (As this project had a higher priority for the company). I worked on the desktop app and several mobile mini-apps on that project.

- R&D different libraries for distinct features (also in cross-platform mini apps)
- developed a lot of features
- investigated and fixed bugs on the desktop app.
- Improved performance and optimized resource usage of the Desktop app.

Additional Qualification

- **Online Courses (Coursea):** Machine Learning offered by Stanford University, Deep Learning Specialization (4 courses) offered by deeplearning.ai and Generative Adversarial Networks (GANs) (1 course) offered by deeplearning.ai.

SKILLS

Programming Language	C, C++, Java, JavaScript, TypeScript , Python, Octave
Machine Learning Framework	PyTorch, Keras, scikit-learn
Framework	Flask, Spring MVC, Angular, Android, Ionic, Electron, Vue
Database	MySQL, Oracle SQL, MongoDB, Firebase, Elasticsearch, Kudu
Operating System	Windows, Ubuntu
Others	Algorithms, Data Structures, Git

ACHIEVEMENTS

- **Runners up**, Code Samurai Inter-University Hackathon
- **18th position**, SUB IUPC 2018
- **36th position**, 2018 ACM-ICPC NCPC National Programming Contest
- Reached maximum Rating at: Codechef - **2004(Top 2%, Country Rank - 136. Long Contest Country Rank - 30, Long Contest Global Rank - 2552)** (kidflash), Codeforces - **1675(Expert)** (God_of_thunder)
- Solved over 1000 problems of discrete domains in different online judges