Md Golam Rahman Tushar

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RESEARCH WORKS

[Research on Deep learning & Software Engineering]
Research Objective: To propose a large scale parallel corpus for Java-Python Program Translation.
Result: Published in *Arxiv*, 2021
Link: https://arxiv.org/abs/2108.11590

[Research on Natural Language Processing]
Research Objective: Summarize and improve the Question Answering for Privacy Policies
Result: Crawled 10,000+ google play store application's privacy policies and other necessary information's.
Tools Using: Python, Beautiful Soup, Machine learning tools etc

[Research on Information Retrieval]
Title: *Multi-task learning for Query Intent Classification and Document Ranking*
Research Objective: To classify user queries to a set of intents and to map a user query to open directory project(ODP) tree.
Result: Crawled 80,000+ web-pages which are categorized in 7600 topics.
Tools Using: Python, Anaconda, NLTK etc
Link: https://github.com/grtushar/Web-Crawler

PUBLICATIONS

AVATAR: A Parallel Corpus for Java-Python Program Translation
Published in *Arxiv*, 2021
Wasi Ahmad, **Md Golam Rahman Tushar**, Saikat Chakraborty, and Kai-Wei Chang.

ACHIEVEMENTS

Online Course Certificates
- Machine Learning by Stanford University on Coursera. Certificate earned on February 20, 2017
- Neural Networks and Deep Learning by deeplearning.ai on Coursera. Certificate earned on February 8, 2018
- Improving Deep Neural Networks: Hyperparameter Tuning, Regularization and Optimization by deeplearning.ai on Coursera. Certificate earned on Jan, 2021
- Design Patterns by University of Alberta on Coursera. Certificate earned at Tuesday, October 15, 2019
- Sequence Models by deeplearning.ai on Coursera. Certificate earned on July, 2021
- Text Retrieval and Search Engines by University of Illinois at Urbana-Champaign on Coursera. Certificate earned on September 9, 2017
- Version Control with Git by Atlassian on Coursera. Certificate earned at June 6, 2020

Selected Programming Contests (2012-2015)
- Aust Intra Programming Contest, 2013 (3rd)
- NCPC RUET, 2015 (11th)
- IUT ICT Fest, 2015 (20th)
- IUT ICT Fest, 2014 (22nd)
- ACM ICPC Dhaka Regional, 2014 (29th)
- NSU IUPC, 2013 (32nd)
- NCPC, 2014 (33rd)
- ACM ICPC Dhaka Regional, 2013 (52nd)

Online Problem Solving
- Solved 1500+ ACM problems in different online judges
- Codeforces highest rating 1688 (Blue)
- Topcode highest rating 1202 (Blue)

Voluntary Responsibilities
- Departmental programming contest trainer for new contestants
- Successfully organized two intra university programming contest that included responsibilities like problem setting, judging, arranging contest environment, troubleshooting etc.

PROFESSIONAL EXPERIENCE	**Assistant Lead Engineer** bKash Limited	April 2020 – Present
	Software Engineer Ridmik Labs Limited	March 2019 – March 2020
	Software Engineer Itsoul Ltd	August 2018 – February 2019
	Adjunct Lecturer Department of Computer Science and Engineering Ahsanullah University of Science and Technology	February 2017 – July 2018
	Adjunct Lecturer Department of Computer Science and Engineering South East University	January 2017 – December 2017
	Software Engineer Secure Link Service (*SELISE*)	June 2015 – October 2016
EDUCATION	**B.Sc.** in **Computer Science and Engineering** Ahsanullah University of Science & Technology CGPA: 3.624 on a scale of 4.00 Achieved two full free and one half free scholarship for outstanding academic result.	August 2015
TECHNICAL SKILLS	**Languages**: C/C++ (proficient), Java (professional exp), Python (proficient), Dart (professional exp), JavaScript (professional exp) **Mobile Application Development**: Android (professional experience), Flutter (professional experience) **Frameworks**: AngularJs (professional exp), Spring (prior experience), Vaadin 8 (professional exp) **Database Tools**: Oracle, PLSQL, MySql, Mongo Db (prior experience) **Others**: Sql, Git, Latex, OOP, Vim, JSON	

SELECTED PROJECTS	[**Android & iOS Application**] Currently responsible for developing various features of an mobile financial service application used by millions of users daily using Flutter Link: https://play.google.com/store/apps/details?id=com.bKash.customerapp
	[**Android Application**] An end to end encrypted android messaging application using signal protocol.Reduced some CPU intensive image processing task completion time by a great margin using Render Script Framework. Also designed and developed image and video editing tools for this app having filter, crop, zoom, rotate, auto resize, auto re-positioning etc. features Link: https://play.google.com/store/apps/details?id=ridmik.one
	[**Android Application**] An android application for providing the best coverage of current events in Bangladesh and around the globe. All the news are curated and personalized for user. Link: https://play.google.com/store/apps/details?id=ridmik.news
	[**Web Application**] A social media platform for musicians. Designed and Developed the FIRST multi-track audio player for web-browsers from scratch using HTML5 web audio API and JavaScript having features like trimming, seeking, snap to grid, collaboration in real-time, etc. Link: https://jamahook.com
	[**Android Application**] An android application for sharing and tracking real time location update in order to stay close with family and friends Link: https://apkgk.com/com.itsoul.lab.trackme
	[**Android Application**] An android application using Google Firebase ML kits that can detect bar codes and faces. Also can extract additional informations from image Link: https://github.com/grtushar/Image-Detection
	[**Android Application**] An application for tracking any kind of product sells including features like searching items, download summery of last month sells etc.
	[**Web Application**] A Learning purpose project using Spring, AngularJs, MySql. Also implemented tokenized authentication Link: https://github.com/grtushar/User-Management-System