

# Md Golam Rahman Tushar

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CONTACT INFORMATION

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StackOverflow: <https://stackoverflow.com/u/7751982>

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)**

<ul style="list-style-type: none"> <li>Aust Intra Programming Contest, 2013 (3<sup>rd</sup>)</li> <li>NCPC RUET, 2015 (11<sup>th</sup>)</li> <li>IUT ICT Fest, 2015 (20<sup>th</sup>)</li> <li>IUT ICT Fest, 2014 (22<sup>nd</sup>)</li> </ul>	<ul style="list-style-type: none"> <li>ACM ICPC Dhaka Regional, 2014 (29<sup>th</sup>)</li> <li>NSU IUPC, 2013 (32<sup>nd</sup>)</li> <li>NCPC, 2014 (33<sup>rd</sup>)</li> <li>ACM ICPC Dhaka Regional, 2013 (52<sup>nd</sup>)</li> </ul>
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**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	<b>Assistant Lead Engineer</b> bKash Limited	April 2020 – Present
	<b>Software Engineer</b> Ridmik Labs Limited	March 2019 – March 2020
	<b>Software Engineer</b> Itsoul Ltd	August 2018 – February 2019
	<b>Adjunct Lecturer</b> Department of Computer Science and Engineering Ahsanullah University of Science and Technology	February 2017 – July 2018
	<b>Adjunct Lecturer</b> Department of Computer Science and Engineering South East University	January 2017 – December 2017
	<b>Software Engineer</b> Secure Link Service ( <i>SELISE</i> )	June 2015 – October 2016
EDUCATION	<b>B.Sc. in Computer Science and Engineering</b> 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	<b>Languages:</b> C/C++ (proficient), Java (professional exp), Python (proficient), Dart (professional exp), JavaScript (professional exp) <b>Mobile Application Development:</b> Android (professional experience), Flutter (professional experience) <b>Frameworks:</b> AngularJs (professional exp), Spring (prior experience), Vaadin 8 (professional exp) <b>Database Tools:</b> Oracle, PLSQL, MySQL, Mongo Db (prior experience) <b>Others:</b> Sql, Git, Latex, OOP, Vim, JSON	
SELECTED PROJECTS	<p><b>[Android &amp; iOS Application]</b> Currently responsible for developing various features of an mobile financial service application used by millions of users daily using Flutter</p> <p><b>[Android Application]</b> 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</p> <p><b>[Android Application]</b> 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: <a href="https://play.google.com/store/apps/details?id=ridmik.news">https://play.google.com/store/apps/details?id=ridmik.news</a></p> <p><b>[Android Application]</b> An android application for sharing and tracking real time location update in order to stay close with family and friends Link: <a href="https://apkgk.com/com.itsoul.lab.trackme">https://apkgk.com/com.itsoul.lab.trackme</a></p> <p><b>[Android Application]</b> An android application using Google Firebase ML kits that can detect bar codes and faces. Also can extract additional informations from image Link: <a href="https://github.com/grtushar/Image-Detection">https://github.com/grtushar/Image-Detection</a></p> <p><b>[Android Application]</b> An application for tracking any kind of product sells including features like searching items, download summery of last month sells etc.</p> <p><b>[Web Application]</b> A Learning purpose project using Spring, AngularJs, MySQL. Also implemented tokenized authentication Link: <a href="https://github.com/grtushar/User-Management-System">https://github.com/grtushar/User-Management-System</a></p>	