

## PERSONAL INFORMATION



## Qazi Fahim Farhan

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Date of birth 7 October 1997 | Nationality Bangladeshi

## STUDIES APPLIED FOR Masters

## EDUCATION

2015–2019 **Bachelor of Science in Computer Science and Engineering**  
Bangladesh University of Engineering and Technology CGPA 2.73/4.00

## STANDARDIZED TEST SCORES

09/12/2021	<b>Graduate Record Examination (GRE)</b>			
	<b>Total</b>	<b>Quantitative reasoning</b>	<b>Verbal reasoning</b>	<b>Analytical Writing</b>
	311	160	148	3

  

15/04/2022	<b>International English Language Testing System (IELTS)</b>				
	<b>Overall</b>	<b>Listening</b>	<b>Reading</b>	<b>Speaking</b>	<b>Writing</b>
	7	7.5	7.5	7	6.5

## WORK EXPERIENCE

September 2019 – Present **Software Engineer**

## Professional projects done with Ridmik Labs

Name	RidmikChat
Languages	Kotlin, Java
Description	An android social media and chat application. I have worked on user profile page, news feed, image editor, video editor, fancy animations, etc features. (Google Play Store link)
Name	Ridmik Dictionary
Languages	Kotlin, Java
Description	An android dictionary application. I have implemented searching words, displaying word categories, splash cards, study page, MCQ, showing advertisements etc features. (Google Play Store link)
Name	Ridmik News
Language	Kotlin, Java
Description	An android news application that aggregates, and displays news. I have worked on the app settings, and displaying advertisements in the news feed. (Google Play Store link)

## TEACHING EXPERIENCE

Course Instructor Made android app development videos on an educational platform named Interactive Cares. (Course link)

Home tutor Worked as a home tutor. I taught math, physics, and chemistry to high school students.

## THESIS

Title *Building Semantic Knowledge Graph using Twitter Data*

Supervisor Dr. Muhammad Mashroor Ali

Description In this thesis, we investigated how to build knowledge graph from a very limited data source like Tweets. As the thesis progressed, we faced some challenges such as connecting external knowledge base, choosing tentative candidates and disambiguating urls using various heuristic functions. We have also used NLP tools (GATE developer) to analyze tweets and write necessary codes. (github link)

## PERSONAL SKILLS

Mother tongue Bengali

### Other languages

	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	C1	C1	C1	C1	B2
International English Language Testing System (IELTS) 7					

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user  
Common European Framework of Reference for Languages

Programming Languages C, C++, Java, Kotlin, Julia, SQL,  $\LaTeX$ , Flex, Bison, Python, PHP, Javascript, C#, Bash, Assembly 8086, MIPS

Frameworks Django, JavaFx, Android, Gradle, OpenGL

Operating System Debian 11 (testing), Linux Mint 20.3, Windows 11

Databases Oracle, MySQL, PostgreSQL, OrientDB, SQLite

Others Terminal, Git, Vim, Arduino Uno, Raspberry Pi, ATmega32

## ONLINE JUDGE/CONTESTS

Codeforces username: fahimfarhan, Maximum Rating 1370 (profile link)

LeetCode username: fahimfarhan (profile link)

CodeChef username: fahimfarhan, Maximum Rating 1589 (profile link)

Google Kick Start 2019 username: fahimfarhan , highest position 1866 (participation certificate link)

## MAJOR ACADEMIC OR PERSONAL PROJECTS

Name NewsApp

Language Kotlin, Java

Description A simple android news app that demonstrates clean architecture. (github link)

Name SimpleVideoEditor

Language Java

Description An android video editor app that performs basic operations like crop, trim duration, apply filter, etc. (github link)

Name cancer-web-app

Language Python

Description A cancer patient management system made with Django. (github link)

Name rubics-cube-solver

Language Assembly 8086

Description An assembly 8086 code that can solve 2x2x2 rubics cube. (github link)

Name Compiler

Language C, C++, Flex, Bison, Assembly 8086

Description A simple C Compiler that takes a source program, creates tokens, an AST, and generates a corresponding target program in Assembly x86. (github link)

Name Database Project

Language	Java, OrientDB database
Description	A project to experiment with a NoSQL database named OrientDB using a Twitter dataset. (github link)
Name	Zaxon
Language	C, C++
Description	A simple game where the player has to defeat an alien. (github link)

## REFERENCES

Dr. Muhammad Masroor Ali  
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