

# Qazi Fahim Farhan

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## Education

2015–2019 **B.Sc in Computer Science and Engineering(CSE)**  
Bangladesh University of Engineering and Technology CGPA 2.73/4.00

## Standardized Test Scores

09/12/2021 **Graduate Record Examination (GRE)**

Total	Quantitative reasoning	Verbal reasoning	Analytical Writing
311	160	148	3

15/04/2022 **International English Language Testing System (IELTS)**

Overall	Listening	Reading	Speaking	Writing
7	7.5	7.5	7	6.5

## Experience

2019–Present Software Engineer(Android), Ridmik Labs

### Professional projects done with Ridmik Labs

#### 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)

#### 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)

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

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## Skills

Programming Languages	C, C++, Java, Kotlin, Julia, SQL, $\text{\LaTeX}$ , Flex, Bison, Python, PHP, Javascript, C#, Bash, Assembly 8086, MIPS
Frameworks	Django, JavaFx, Android, Gradle, OpenGL
Databases	Oracle, MySQL, PostgreSQL, OrientDB, SQLite
Others	Terminal, Git, Vim, Arduino Uno, Raspberry Pi, ATmega32

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## 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)

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## Major Academic or Personal Projects

### NewsApp

Language	Kotlin, Java
Description	A simple android news app that demonstrates clean architecture. (github link)

### SimpleVideoEditor

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

### cancer-web-app

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

### rubics-cube-solver

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

### 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)

### Database Project

Language	Java, OrientDB database
Description	A project to experiment with a NoSQL database named OrientDB using a Twitter dataset. (github link)

### Zaxon

Language	C, C++
Description	A simple game where the player has to defeat an alien. (github link)

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## References

Dr. Muhammad Masroor Ali

Professor, Department of Computer Science and Engineering, Bangladesh University of Engineering and Technology, Dhaka-1205, Bangladesh

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