

Qazi Fahim Farhan

44/F/8-A, 3rd floor B, Panthapath

Dhaka 1215

+8801844675382

fahim.farhan@outlook.com

github.com/fahimfarhan

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

December 2021 **Graduate Record Examination (GRE)**

Total	Quantitative	Verbal	Analytical Writing Assesment(AWA)
311	160	148	3

April 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

RidmikChat

Languages Kotlin, Java

Framework Android

Description A 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

Framework Android

Description A 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

Framework Android
Description A 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](#))

Skills

Programming Languages C, C++, Java, Kotlin, Julia, SQL, \LaTeX , Flex, Bison, Python, PHP, Javascript, C#, Bash, Assembly 8086, MIPS
Programming 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](#))
Facebook Hacker Cup Qualification round ranking 1805

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 research 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](#))

Major Academic or Personal Projects

NewsApp
Language Kotlin, Java
Framework Android
Description A simple android news app showing pagination(offline support with network call), MVVM, retrofit, room, picasso, multiple rows in recyclerview, footer/loader etc. ([github link](#))
SimpleVideoEditor
Language Java

Framework Android

Description A video editor written in Model-View-Presenter (MVP) pattern that can crop area, trim duration, apply filter. The crop is my implementation based on image cropping opensource projects since there is hardly any project that clearly explains the crop mechanism. (github link)

cancer-web-app

Language Python

Framework Django

Description A simple cancer patient management system. (github link)

rubics-cobe-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, generates tokens, an AST, and generates a corresponsing target program in Assembly x86. (github link)

Database Project

Language Java, OrientDB database

Description A project to experiment with the features of a NoSQL database named OrientDB using a Twitter dataset. (github link)

Smart Locker

Language C

Description A hardware project with ATmega32 microcontroller that uses sensors detect burglar. It also comes with an alarm and a password management system. (github link)

FileExplorerFx

Language Java, JavaFx

Description A simple file explorer that can be used to view, navigate through folders, and open files in a computer. Currenttly works with Windows. (github link)

Zaxon

Language C, C++

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

References

Dr. Muhammad Masroor Ali

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

Phone: (880 2) 55167100

Email: mmasroorali@cse.buet.ac.bd