

Qazi Fahim Farhan

Personal Information

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Education

2015–2019 **B.Sc in Computer Science and Engineering(CSE)**, *Bangladesh University of Engineering and Technology*, Dhaka, *CGPA 2.73/4.00*.
2014 **H.S.C**, *Notre Dame College*, Dhaka, *GPA 5.00/5.00*.
2012 **S.S.C**, *Govt. Laboratory High School*, Dhaka, *GPA 5.00/5.00*.

Experience

2019–present **Software Engineer(Android)**, *Ridmik Labs*, Dhaka,
Currently working as an Android developer. Major contributions:
RidmikChat: A social media and chat application
Ridmik News: A news app that aggregates and displays news.
Ridmik Dictionary: An offline dictionary android app.
Ridmik AccountKit: An android login management library to handle login inside different Ridmik apps. .

Skills

Programming Languages C, C++, Java, Kotlin, Python, SQL, LATEX, Flex, Bison, PHP, Javascript, C#, Bash, Assembly 8086, MIPS
Programming Frameworks Django, JavaFx, Android, Gradle, OpenGL, CodeIgniter, Bootstrap
Operating System Debian 10 (testing), Linux Mint 19.1, Windows 10
Databases Oracle, MySQL, PostgreSQL, Orientdb, SQLite
Others Terminal, Git, Docker, Vim, Arduino Uno, Raspberry Pi, ATmega32

Online Judge/Contests

Codeforces username: fahimfarhan, Maximum Rating 1370 (profile link)
CodeChef username: fahimfarhan, Maximum Rating 1589 (profile link)
Google Kick Start 2019 username: fahimfarhan , highest position 1866 (participation certificate link)

Facebook Qualification round ranking 1805
Hacker Cup

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 Projects

RidmikChat

Language 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

Language 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](#))

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 corresponging 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. Currenctly 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

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