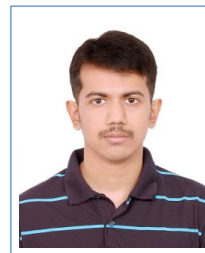


Qazi Fahim Farhan



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:
Video Editor performs basic operations like crop, trim, filter, add stickers etc
MysteryBox a lottery system with fancy animations
Sticker Shop a market place to browse and buy stickers etc .

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 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 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)

cDoctorAssistant

Language Python
Framework Django
Description A simple cancer patient management system. (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, generates 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 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. Currently works with Windows. ([github link](#))

Zaxon

Language C, C++

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

CodeIgniter-Blog

Language PHP, MySQL

Framework CodeIgniter

Description A simple basic blog where users can log in and publish their thoughts. ([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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