Qazi Fahim Farhan |

Personal Information

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Education

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

Experience

Ridmik Labs

Software Engineer(Android),Currently working as an Android developer. Major contributions:Video Editor perform

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 chalanges 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)

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)

CodeIgniter-Blog

Language: PHP, MySQL

Framework: CodeIgniter

Description: A simple basic blog where userss 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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