FARAZ NAEEM PIRACHA

SOFTWARE ENGINEER

CONTACT

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EDUCATION

FAST NUCES, KHI

BS Software Engineering

2020 - 2024

- CGPA: 3.3
- Dean's List Awardee, Fall 2022
- FAST NUCES Scholarship Awardee
- Sindh Educational Endowment Fund Scholarship Awardee

AGA KHAN HSS

HSSC - AKUEB

2018 - 2020

- Passed with A+, 86%

SKILLS

- HTML, CSS, JS
- React
- Node, Express
- PHP
- Python + django
- Java, C/C++
- Hugo
- MySQL
- MongoDB
- Oracle SQL, Firebase
- Data Structures
- OOP, MVC
- Git/Github
- Software Modeling
- Software Documentation
- Software testing
- Organization and communication

SUMMARY

Software Engineering student looking to gain relevant work experience in the industry, improve skills, and explore new domains in CS.

Interested in AI and Web Dev.

Well-organized and collaborative team player with strong communication. Down to work on challenging problems.

PROJECTS

VERYFAST THEATRE MANAGEMENT SYSTEM (JAVA, C, C++, C#)

- Simulates a real Cinema Management System.
- Java Servlets, JSP and MySQL DB used.
- Supports multiple cities, locations and screens with different time slots and movies.
- Supports advanced and multiple filtering.
- Iteratively advanced systems developed via C, C++, C#, Java.

PASSSWORDPWNER (C++)

- Cleans and uses online dataset of leaked and vulnerable passwords, to check if user entered password is 'pwned',
- Check password security, recommends new and secure passwords.
- Warn users of leaked passwords.
- Implemented using custom 36-ary (m-ary) tree.
- Traverses dataset in real time, with instantaneous response.

MOVIE RECOMMENDER SYSTEM (PYTHON)

- Uses GroupLens-100K dataset.
- Performs ETL on the dataset.
- Generate movie recommendations based on user input.
- Utilizes pandas, numpy and scikit-learn libraries.
- GroupLens movie dataset used.

GT ALLOWANCES (PYTHON + DJANGO)

- Web App that uses location APIs to calculate technical visit allowances for employees. History of visits is maintained.
- User management with auth.
- All users can add locations accessible only to them.
- Approval system implemented through department heads.
- Print reciepts for cash retrieval.

SORTING VISUALIZER (PYTHON)

- Visualizes multiple sorting algorithms.
- Generation of random data.
- Multiple sorting algorithms provided.
- Python library Matplotlib utilized for creating animations.
- Data logs generated for later analysis.