

# FARAZ NAEEM PIRACHA

## SOFTWARE ENGINEER

### CONTACT

- 0331-4977752
- faraz29103@gmail.com
- Block 10-A Gulshan-e-Iqbal
- www.linkedin.com/in/faraznp
- https://github.com/farazokc

### 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.

#### PASSWORDPWNER (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 receipts 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.