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| Karam Abbas | +92 326 1405470| [LinkedIn](https://www.linkedin.com/in/karam-abbas-8884952b8/)| [Email](mailto:karamabbas03@gmail.com)  <https://github.com/Karam-Abbas>  Lahore, Pakistan |

# Education

Bachelors in computer science – FAST NUCES – Lahore, PK August 2021 - present

**Courses:** Databases, data structures, object-oriented programming, operating systems, design and analysis of algorithms, artificial intelligence, web programming, computer networks.

Pre engineering – Punjab Group of Colleges – Lahore, PK 2019-2021

**Courses:** Physics, Chemistry and Math.

# Projects

**ARTIST HANDLING SYSTEM (C++)**  January 2022

* Handled all different type of artists using the key concepts of **inheritance**, **encapsulation**, **association**, **polymorphism** and **abstraction** as well.

**FOODPANDA CLONE WITHOUT GUI (C++)**  December 2022

* Used the **DFS** and **BFS** algorithms to calculate route for the riders.
* Used the **queue** system to handle the clients and the chiefs.
* Used the **Dijkstra’s** algorithm to calculate shortest paths.

**MAZE GAME (Assembly)**  June 2023

* Implemented the game such that every move the bee takes the whole screen refreshes and displays accordingly.
* There is a start and end state and as soon as the timer ends the game is over.
* Else if you reach the goal within time the score board is shown.

**INDUSTRIAL BUSSINESS MANAGEMENT SYSTEM**

**(ASP.NET, BOOTSTRAP, CSS, HTML, MS SQL)**  December 2023

* Implemented the system to handle the meetings of the owner.
* All the data related to the workers in one place including their salaries.
* **All in one** solution to handle a business.

**OBJECTIVE BASED EVALUATION SYSTEM (C++)**  January 2022

* Used software design principles and patterns to design a system for different users.
* Used key OOP principles to manage the construction of the system.
* Used Vectors in order to dynamically manage data in our whole system and classes inside the system.

# Work Experience

Front-End developer – Freelance – Lahore, PK November 2023

* Portfolio website for a gaming project.
* Currently working on a web app named **Sehat Sync**.

# Skills

* Python, C/C++
* HTML, CSS, JavaScript, React, Node
* Figma