

HAFIZ MUHAMMAD SACHAL

Student of BSc. in Computer Science

CONTACT

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EDUCATION

FAST NATIONAL UNIVERSITY | 2023- continue

Bachelors in Computer Science

- Student of 5th Semester



INTERMEDIATE BISE LAHORE | 2022-2023

Government Graduate College of Science

- Pre-Engineering
- Grade A

MATRICULATION BISE LAHORE | 2020-2021

Government Chishtia High School

- Science Group
- Grade: A*

PROJECTS

Alphabet Catcher Game

Assembly language, semester 3

Built an interactive game where users catch falling alphabets using keyboard input.

Utilized graphics and interrupt handling in x86 assembly for game logic and movement.

Notepad Replica

Language: C++, Semester 3

Created a text-based notepad using a linked list data structure. Enabled basic text editing functionality and file saving, simulating a lightweight version of a real notepad.

Replica of Google Assistant

Language: Python

Developed a custom AI-powered voice assistant that recognizes speech, responds with text-to-speech, handles commands (like web search, weather, reminders), and integrates with OpenAI GPT for dynamic conversations.

Online E-commerce Website - Group Project

Backend (Node.js), Frontend (HTML, CSS), TSQL

A simple online store in which you can sign up or sign in, see items, add them to your cart and pay for them in many ways (like credit card or COD)

Candy Crush - Inspired Game

Language: C++, Semester 1 Final Project

Developed a console-based game inspired by Candy Crush. Implemented core game logic including random candy generation, matching, popping, scoring, and grid regeneration.

SKILLS

Problem Solving

Quick Learner

Teamwork

C/C++

HTML

Python

Assembly Language

RELEVANT COURSES

- Computer Organization and Assembly Language Programming
- Database Management System (DBMS)
- Operating Systems (C language)
- Programming Fundamentals, OOP, Data Structures (C/C++)
- Fundamentals of Python