



Muhammad Abbas


CS Junior at Habib University

Competitive Programming Enthusiast & Flutter Application Developer

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EXPERIENCE

OFFICE OF INSTITUTIONAL RESEARCH AT HABIB UNIVERSITY DATA

INTERN

Aug 2021 – Sep 2021 | Karachi, Pak

- Worked on Data Collection, Cleaning, Manipulation and Organization from confidential PDF files using NumPy, Pandas and Excel.
- It was a two-month summer internship programme which entailed meeting with Dean and Program Directors, Data Collection, Cleaning, Manipulation and Organization, the model was later presented before the University President.

EDLAB PAKISTAN DATA INTERN

Sep 2021 – Oct 2021 | Karachi, Pak

- Learned Data Analysis using Power Bi and Excel.
- Worked on Urban and Rural Educational Data Models.

EDUCATION

HABIB UNIVERSITY BACHELOR'S OF SCIENCE IN COMPUTER SCIENCE

Aug 2020 - Jul 2024 | Karachi, Pak

Related Courses Taken:

- Data Structures and Algorithms
- Data Structures II
- OOP Design & Methodologies (C++)
- Artificial Intelligence
- Operating Systems
- Discrete Mathematics
- Computer Architecture (Verilog & RISC-V)
- Database Management Systems
- Nature of Computation

CERTIFICATE COURSES

DataCamp:

- Intermediate Python
- Introduction to Data Science
- Data Manipulation with Pandas
- Data Joining with Python
- Data Cleaning with Python
- Visualization with Matplotlib

Udemy:

- The Complete 2021 Flutter Development Bootcamp with Dart

GreatLearning:

- Android Application Development (Flutter)

KhanAcademy:

- Intro to HTML/CSS: Making webpages

Coursera:

- Object-Oriented Programming in Python
- Hardware Description Languages for FPGA Design

TOOLS & SOFTWARES

Linux (Proficient with Archlinux, Ubuntu, Fedora)
Verilog(Proficient), HTML(Basic), CSS(Basic), LaTeX(Proficient),
Markdown(Proficient), Raspberry pi(Basic), Wordpress(Proficient)

SKILLS

APP DEVELOPMENT

Cross-Platform App Development with Flutter and Firebase,

PROGRAMMING LANGUAGES

Python (Expert), C/C++ (Proficient),
Rust (Basic), JavaScript (Proficient),
Dart (Proficient),

COMPETITIVE PROGRAMMING

I have been doing Competitive Programming for more than two years.

LEETCODE - PROFILE

CODEFORCES - PROFILE

ICPC Asia Regionals 2023

We have qualified for the Regional round which is to take place in Feb '23.

ICPC Asia Regionals 2022

Secured 19th position, solved 4 questions.

Google KickStart May 2022

Secured 6th position all over Pakistan, solved 2 questions.

Google Code Jam 2022

Qualified for Round 1, (couldn't attend due to finals)

PORTFOLIO

(Hyperlinks attached)

FRUIT NINJA GAME (C++ - OOP)

The Game was presented as Final Project of OOP and entails its all four pillars.

EERTREE VISUALIZER (PY - DATA STRUCTURES II)

A Visualizer which constructs and displays Eertree(A Palindromic Data Structure) for any palindrome.

CAR RENTAL SYSTEM (PY - DS & ALGO)

A Car rental System with Complete Admin and User Panels.

T-REX GAME (VERILOG - DIGITAL LD)

A Game for physiotherapists to keep them motivated during exercise.

Flutter Projects:

INFAAQ PLATFORM (KHIDMAT)

An App that provides a platform for NGOs to post their cases & the donors can deposit the amount in the receivers account directly.

BMI CALCULATOR APP

A Multi-screen app with functionality of Body-Mass Index Calculator

WASEELA WELFARE (IN PROGRESS)

An App to manage trust operations.