


# Muhammad Abbas

Student at Habib University

Full-Stack Application Developer [Flutter|Firebase]

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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:

- OOP Design & Methodologies (C++)
- Data Structures II
- Data Structures and Algorithms
- Discrete Mathematics
- Computer Architecture (Verilog & RISC-V)

### 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

PluralSight:

- Firebase Fundamentals
- Creating a Full-Stack App with Flutter 2 and Firebase 7

GreatLearning:

- Android Application Development (Flutter)

Coursera:

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

KhanAcademy:

- Intro to HTML/CSS: Making webpages

### DJ SINDH GOVT. SCIENCE COLLEGE INTERMEDIATE PRE-ENGINEERING

Aug 2018 - Jun 2020 | Karachi, Pak

- Secured A1 Grade (Overall 87.5%) in HSSC
- Participated in Inter-Collegiate Cricket Tournament

## SKILLS

### APP DEVELOPMENT

Cross-Platform

**FrontEnd:**

Flutter

**BackEnd:**

Firebase

### PROGRAMMING LANGUAGES

Python (Expert) C++ (Proficient) Dart (Proficient) JavaScript (Basic)

### OTHER LANGUAGES

#### & Softwares

Verilog(Proficient), HTML(Basic), CSS(Basic), LaTeX(Proficient), Markdown(Proficient), Raspberry pi(Basic) MS Excel, MS PowerPoint, Adobe Premiere, Adobe Photoshop, Xilinx Vivado

## PROJECTS

### FRUIT NINJA GAME (C++)

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

### EERTREE VISUALIZER (PY)

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

### CAR RENTAL SYSTEM (PY)

A Car rental System with Complete Admin and User Panels.

### T-REX GAME (VERILOG)

A Game for physiopatients to keep them motivated during exercise, developed through Verilog and requires an FPGA, two IR-Sensors and a Display Monitor.

### CNN BASED SPECIALIZED PROCESSOR DESIGN (VERILOG - IN PROGRESS)

This is a Research Project which on designing a Processor specialized for getting trained on CNN Architectures. It is still in Progress.

### WASEELA WELFARE (FLUTTER - IN PROGRESS)

A Cross-Platform App which manages the trust related tasks and has functional admin, trustee and donor panels.