

# MUHAMMAD JAFFAR ABBAS

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## EDUCATION

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### Institute of Business Administration (IBA) (CGPA: 3.75 / 4.00)

Karachi (2019–Present)

- Bachelor of Science (Computer Science)
- Ehsas Scholarship: full-ride scholarship
- Honors: 7x Dean's List (Fall 2019-Spring 2023)

## WORK EXPERIENCE

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### ExpertFlow

Software Engineer Intern

(Jan 2023 - Ongoing)

- Assisting the Bot Development Team of 20+ developers in their software development tasks in **Python**.

### Trillium Information Security Systems

Digital Forensics and Incident Response (DFIR) Intern

(Jun 2022 - Jul 2022)

- Completed **15+ tasks and challenges** related to Malware, Phishing, SQL injection, Privilege Escalation, etc.

### Institute of Business Administration

Undergraduate Teaching Assistant

(Aug 2021 - Dec 2021, Aug 2022 - Dec 2022)

- Taught a class of 40+ students in the course “**Digital Logic Design**” (DLD).

### Institute of Business Administration

Undergraduate Research Assistant

(Jun 2021 - Mar 2022)

- Conducted **data collection** process of 5+ countries and assisted in engineering a **system model** on a COVID-19 smart lockdown research paper under the supervision of IBA professors.

## PROJECTS

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### Raabta - Mental Health Wellness Platform — (Final Year Project)

(Fall 2022 - Ongoing)

- An easy-to-use mental health accessibility platform coded on **Flutter**.
- Integrated features include: personality test, progress tracking, facial expression and voice analysis.
- Working in a team of 4 people to build a working product with above-mentioned features.

### Basic Operating System

(Fall 2021)

- Created a basic Operating System in **Java**, in a team of 4 people, that includes core features like process management, process scheduling, memory management using registers.

### Sudoku

(Fall 2020)

- Developed a GUI-based Sudoku game, in a 2 people group, with standard rules using **Java**.
- The game included an auto solver feature.

### Super Market Billing System

(Spring 2019)

- Built a billing system for marts, in a group of 3, to demonstrate the understanding of OOP concepts.

## SKILLS

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### Languages

• Java • Python 3 • Dart • SQL • C/C++

### Frameworks and Technologies

• Flutter • Git • Firebase

## META CURRICULAR

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### International Collegiate Programming Contest

Speed Programming

(Dec 2022 - Feb 2023)

- It is the oldest, largest, and most prestigious algorithmic programming contest in the world.
- Stood 37th among 140+ teams in the preliminary round from all over Pakistan (**Top 26%** of participating teams) and qualified for the on-site contest where we ended up 18th.

### Global UGRAD Program

Exchange Student

(Jan 2022 - May 2022)

- Selected as an exchange student from Pakistan (**Top 1.25%** of applicants) under the fully funded Global UGRAD Exchange Program, a program by U.S Department of State.
- Attended University of Utah (Ranked at 250 globally) in Spring 2022.
- Represented Pakistan in the state of Utah as a Cultural Ambassador.