Abdullah Iqbal

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Education

Institute of Business Administration, Karachi   **Aug. 2022 - May 2026**

- Bachelor of Science (B.S.) in Computer Science – CGPA: 3.26

Alpha College   **Aug. 2020 - June 2022**

- Cambridge, Advanced Level (A level) – Grades: 1A*, 2 A's

Army Public School Saddar, Khi   **May 2018 - June 2020**

- Cambridge, Ordinary Level (O level) – Grades: 6A's 2B's

Skills

Languages: Java | Java Script | Python |

Database Systems: PostgreSQL | MongoDB | Mysql

Frameworks: Node.js | React.js | Next.js | Seaborn | sklearn | pandas

Tools: GitHub | Docker | Power Bi | Tableau

Professional Experience

Techkers Solutions — Karachi, Pakistan   **Karachi, Pakistan**

Web Developer   April 2025 – Present

- Completed multiple full-stack web development projects for Techkers Solutions on a freelance basis, delivering high-quality solutions ahead of deadlines.
- Developed and deployed production-ready applications using Python (Django), Node.js, and Next.js with various databases including MySQL, PostgreSQL, and MongoDB.
- Successfully deployed projects on cloud platforms including AWS and cPanel, handling both backend and frontend implementations.

IBA – Center for Information & Communication Technology (CICT)   **Karachi, Pakistan**

Teaching Assistant & Summer School Trainer – Karachi, Pakistan   March 2025 – July 2025

- Assisted in teaching Advanced Python and Data Mining courses, guiding students through coding, algorithms, and analytical concepts; supported lab sessions, assignments, and conceptual learning.
- Conducted interactive Python training for ages 10–18 during Summer School, covering fundamentals through hands-on projects in game development, AI/ML, and real-world applications like solar car design and robotics.

10Pearls Pakistan   **Karachi, Pakistan**

Data Science Intern   Mar. 2025 – May 2025

- Developing an automated AQI prediction system using **machine learning** and a **serverless** architecture.
- Building **data pipelines** for weather and pollution data, **conducting EDA,** and **optimizing** models.
- Implementing **CI/CD automation** and creating a **Streamlit dashboard** for real-time **AQI insights.**

Projects

SaaS Portal (Django – Python)

- Developed a multi-tenant SaaS portal using Django and PostgreSQL that enables organizations to manage department hierarchies, user access control, and service package subscriptions.
- Implemented role-based permissions (root admin, department admin, regular users) with secure authentication via email/password and OAuth (Google).

Huffman File Compression Application (Data Structures, JAVA)

- Developed a File Compression Application in Java using Huffman Coding.
- Implemented advanced functionalities for adding, removing, and calculating text files sizes using Swing.
- Employed popular file compression techniques such as Huffman Coding algorithm, Serialization, Priority Queue and many more, to compress text files.

MSA Payroll Application (Node.js, Next.js, MySql)

- Developed a comprehensive backend payroll system tailored for Antigua's specific financial regulations.
- Engineered features for automated timesheet processing, complex tax calculations, PDF paystub generation, and secure email distribution.
- Built a robust RESTful API for employee management, payroll processing, and detailed financial reporting.

Please visit my GitHub account for more exciting projects.

Certifications

Full Stack Web Development National & Vocational Training Program (NAVTTC)—IBA CICT   Aug 2024 – Oct 2024