

Hussain Jawaid

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Skills

Languages: Python, JavaScript, SQL, HTML, CSS

Tools & Technologies: ReactJS, FastAPI, MySQL, Pandas, NumPy

Work Experience

CodeAlpha (Virtual Internship)

Feb 2025 – Mar 2025

Python Developer

- Developed hands-on Python projects, applying core concepts such as file handling and object-oriented programming.
- Strengthened problem-solving and debugging skills through self-driven tasks and code reviews.
- Demonstrated consistency and dedication by completing a month-long structured virtual internship.

Project Work

Hotel Customer Insights Analysis

Apr 2025

- Analyzed key customer behavior and booking patterns to identify the root causes behind declining hotel revenue and market share.
- Worked with a star schema dataset and performed extensive data cleaning, transformation, and exploration using Pandas.
- Created insightful visualizations with Matplotlib and Seaborn to uncover trends such as peak booking periods, weekday vs. weekend occupancy, and more.

Expense Tracking System

Mar 2025

- Built a full-stack expense tracking application that allows users to add, update, and manage their expenses efficiently.
- Used MySQL for data storage, FastAPI for building backend APIs, and Streamlit to design a user-friendly frontend interface.
- Enabled users to view detailed analysis through category-wise and month-wise expense summaries, visualized using charts.

Medical Data Extraction

Mar 2025

- Built a document extraction backend that helped automate the data capture process for AtliQ Insurance, which saved them 50K \$ annually.
- Python backend was built using pytesseract, OpenCV, Regular expressions, FastAPI as a web serving framework, and Streamlit for UI.
- Auto extracted important fields from patient details and medical prescriptions. Image processing was performed in OpenCV, and then PyTesseract was used for image-to-text conversion. The last step was to use Regular Expression (Regex) for extracting important fields from the text.

Certificates

- Python: Beginner to Advanced For Data Professionals on Codebasics

Education

Mono Technical Institute, Karachi

Aug 2023 – Present

Diploma in Computer Information Technology (CIT)

Ghazi Foundation School, Karachi

2021 – 2023

Matriculation