

# Abdul Hadi

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## EDUCATION

### Pearson BTEC

Associate Degree in Computer Science

Islamabad, PK

Mar. 2023 – Aug. 2025

## EXPERIENCE

### Polyglot Software Engineer

Cowlar Design Studio

July 2025 – Dec. 2025

Islamabad

- Worked on development of an **ERP platform for a major Qatari retailer** and a full-featured **Hotel Property Management System (PMS)**
- ERP modules of inventory and catalog management, multi-lingual support (**i18n**), and PMS modules of reservations, check-in/checkout, housekeeping workflows, and property analytics dashboard.
- Built and maintained scalable front-end views in **Vue JS** with **Tailwind CSS** & backend services using **NestJS**, **TypeScript**, with **PostgreSQL** as database and **Prisma ORM**.

### Data Visualization Associate Intern

Excelerate

Mar. 2025 – May 2025

Remote

- Built **Looker Studio** dashboards using **PostgreSQL** data integration to track learner retention, marketing performance, and engagement metrics
- Prepared actionable insights in dashboards and presentations for product and marketing teams.

## PROJECTS

### Q&A Chatbot | *sentence-transformers, ChromaDB, OpenRouter LLMs*

2025

- Created a context-aware philosophy-themed Q&A chatbot using **sentence-transformers (all-MiniLM-L6-v2)** with **ChromaDB** retrieval and **OpenRouter LLMs** with prompt tuning to improve outputs
- Batch-loaded the data into a Chroma collection to save resources and fed **thousands of passages** of different philosophical authors as context

### HR Employee Churn Prediction | *Python, Scikit-learn, Random Forest, XGBoost*

2025

- Built interpretable ML pipeline with **feature engineering** and **class imbalance handling**, achieving 99% accuracy and 97% recall
- Deployed targeting dashboard to surface high-risk employees for HR intervention strategies

## TECHNICAL SKILLS

**Languages:** Python, SQL, R, JavaScript

**Frontend:** Vue.js, HTML/CSS

**Backend:** NestJS, TypeScript

**Database:** PostgreSQL, MySQL

**ML& AI:** PyTorch, OpenCV, NumPy, Pandas, Scikit-learn

## CERTIFICATIONS

**Machine Learning:** Supervised ML (Stanford), Data Science & ML (DiceCamp)

**Technical:** Introduction to Statistics (Stanford), Google Data Analytics Professional

**Programming:** Python Certificate (HackerRank)

**Business:** Deloitte Data Analytics Job Simulation (Forage), SAP Basis (Academy Europe)