

# Ashad Abdullah

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Result-driven undergrad, with a year of work experience, seeking remote opportunities in AI.

## PROFESSIONAL EXPERIENCE

**FireBird Technologies, AI Engineer Intern** | Remote | Singapore

Aug. 2024 - Present

- Contributed in a **KPI Chatbot** integrating database functionalities, authentication, and session management using **DuckDB**.
- Designed a **DSPy** agent to generate synthetic data from user's natural language inputs, enhancing system functionality.
- Worked on designing agentic workflows tailored to business requirements, improving operational efficiency for stakeholders.

**RAIN, Junior AI Engineer** | Remote | Dallas, TX

Sep. 2023 - May 2024

- Led conversion of **unstructured data** to **semi-structured** formats, achieving 95% accuracy and improving integration speed.
- Deployed **data extraction & automation** tools, increasing workflow efficiency and reducing manual processing time by 50%.
- Managed project timelines and assigned tasks using **Agile methodologies**, resulting successful and timely project completion.

## VOLUNTEER EXPERIENCE

**PROCOM' 24, Automation Head** | FAST, Karachi

Dec. 2023 - Apr. 2024

- Led Automation Team at FAST, overseeing key projects like **Attendance Management** System and **ChatBot** development.
- Effectively managed project timelines and delegated tasks to successfully achieve and timely project completion milestones.

**ACM Coders' Cup 2023, Automation Head** | FAST, Karachi

Oct. - Dec. 2023

- Implemented automated certificate distribution, enhancing participant experience and reducing manual workload by 80%.
- Engineered a secure bulk **email sending system** using SMTP with **logging**, significantly increasing communication efficiency.

## PROJECTS

**Personify AI Chatting Evaluator and Assistant** | [Demo](#)

June - July 2024

- Integrated **LLaMA 3** using **Groq** with APIs in **Golang**, enhancing real-time message suggestions and engagement scores.
- Deployed the [tool](#) on **Hugging Face Spaces** with **Docker**, enabling scalable & efficient model serving for seamless user access.

**WebBriefs** | [LinkedIn Post](#)

July 2024

- Implemented an automated tool using **CrewAI**, **LangChain**, and **JinaAI** for efficient webpage information summarization.
- Built a **FastAPI**-based system to summarize webpage content in real-time, delivering short summaries via a **RESTful API**.

**DevHire: Interview ChatBot** | [LinkedIn Post](#)

April - June 2023

- Co-led and developed DevHire, a ChatBot for **technical** and **behavioral interview** preparation, achieving user satisfaction.
- Utilized **OpenAI API** in Python, integrated with frontend using **FLASK APIs**, integrating **TextBlob** for **sentiment analysis**.

## More Projects

- ML/DL Projects:** Accomplished machine learning practitioner with a diverse portfolio, including projects on email spam detection, **predictive modeling** for time series data, multiple **image classification** using **CNNs**, & **text generation** using **RNNs**.
- Email Scraper:** Created a Python-based demo for email scraping using **Selenium** and **BeautifulSoup**. The script navigates Google search results to **extract emails** from LinkedIn profiles based on keywords, showing advanced **web scraping** techniques.
- OneStop: Student Management** , [Geometric Algorithm Visualizer](#) , [2048-Solver](#) , [RapidChat](#) , [Fine-Tuning: ClimateGemma](#)

## EDUCATION

**FAST Nukes, B.S in Computer Science** | Karachi, Pakistan

GPA: **3.82 / 4.0**

Sep 2021 - Present

Courses: Artificial Intelligence | Information Retrieval | Software Engineering | Database Systems | Data Structures and Algorithms (C/C++) | Object Oriented Programming | Parallel and Distributed Computing | Computer Networking | Probability and Statistics | Numerical Computing | Microeconomics | Accounts and Finance | Technical and Business Writing

Awards: Dean's List | Best Team (ACM Automation)

## SKILLS

Languages	Python, GoLang, C, C++, JavaScript, HTML, CSS, React, Assembly, Git , Shell, LaTeX, SQL, Cypher
Libraries & Frameworks	TensorFlow, Numpy, Flask, scikit-learn, Streamlit, Llama-index, Langchain, DSPy, CrewAi, Selenium
Tools & Platforms	Colab, VsCode, Linux, Github Actions, HF Spaces, Google Cloud Platform (GCP), Notion, Slack, Clickup
Databases	MongoDB, MySQL, SQLite, ChromaDB, FIASS, Neo4j, FireBase, DuckDB, MotherDuck

## CERTIFICATES (Coursera)

Machine Learning Specialization: Supervised & unsupervised Learning algorithms, Neural Networks, Clustering Algorithms & Analysis, PCA  
DeepLearning.ai Tensorflow Developer: NLP, Computer Vision, Time Series Prediction , Convolutional & Recurrent Neural Networks, LSTMs  
[Generative AI with LLMs](#): Use Cases, Types of Transformers, Fine Tuning Techniques (PEFT and LoRA), Hyperparameters tuning, Evaluation