MUSAB BIN JAMIL

Address: Gulzar-e-Hijri, Karachi, Pakistan.

Mobile: **+923092569956**   Email: musabjamil3@gmail.com

LinkedIn: https://www.linkedin.com/in/musab-b-630256b4/

HIGHLIGHTS
- On the job experience in full stack development, data engineering and analysis
- Work experience with Oracle Fusion and SmartB ERP systems
- Fast learner, tech savvy and eager to improve

Work Experience

Junior Full Stack Developer, SmartB Solutions Sdn Bhd (2024–Current)

Iterative improvements to SmartB's Accounts and Stock tracking workflows. Ecommerce integration for platforms like Shopee, Lazada, TikTok Shop, Shopify, DHL, SPX Express and NinjaVan. Integration of OpenAI for chat-driven sales order generation. Bayesian decision support system development. Provided server-side support and client configuration on custom domains.

Python Developer, Elite Chain L.L.C. (2024)

Sole developer on a Django-based backend project. Built APIs for a Rasa chatbot, implemented Celery-based automation, and developed JWT-based user authentication.

Python Developer, Nixaam L.L.C. (2023–2024)

Delivered diverse solutions including image processing, HRM systems, database design, automation, and web scraping. Contributed to innovation and standardization across projects.

Research Assistant, Karachi Urban Lab (2023)

Cleaned and consolidated datasets using Python, Excel, and Oracle SQL. Applied machine learning (Ridge Regression) to handle missing data. Managed data storage and reporting via Google Drive and Sheets.

Junior Developer, Wix Digitals (2023)

Developed algorithms on cryptocurrency data. Created interactive dashboards using Streamlit and automated scraping bots with Selenium. Utilized Git for version control.

Projects

- **FastMig** – A data migration platform, where user is able to clean text-based data using evolutionary computation and LLMs. Other data transformation utilities, like ETL workflow, DB connectivity and much more are also in the pipeline for this project.
- **ETL Pipeline using Airflow** – A pipeline to extract transform and load data from a transactional database into a star schema for data analysis and insightful dashboarding.
- **LLM based OCR improvement** – We created a prototype that was able to fill in the gaps of Azure Computer Vision OCR using the semantic imputation of text using Open AI API (LLM).
- **Persona Based decision making with Probabilistic Verification** – Developed an interface to load data and get feedback on it based on multiple user defined personas, with verification on LLM answers using probabilistic reasoning.

- **Trike AI** – An AI that can play the game of Trike using Reinforcement learning

Qualification

- **MS Data Sciences** – Institute of Business Administration (IBA), Karachi – Expected 2026
  Core Courses: Data Analytics & Warehousing, Machine Learning I & II, Deep Learning, Computational Intelligence, Probabilistic Reasoning, DevOps
- **M.Sc. (With Thesis)** – Space Science and Technology – University of Karachi – 2021
  Focus Areas: Quantum Mechanics, Gravitational Physics, Geographic Information Systems (GIS), Astrophysics, and Atmospheric Sciences
- **B.Sc. (Hons)** – Space Science and Technology – University of Karachi – 2020
- **HSSC (Pre-Engineering)** – Govt. Degree Boys College, Gulshan-e-Iqbal – 2017
- **SSC (Computer Science, A Grade)** – The Horizon School – 2015
- **Middle School** – Pakistani International School, Al-Khobar, Saudi Arabia – 2013

Programming and other IT Skills

- **Languages & Frameworks:** Python (Django, Flask, Streamlit), JavaScript (React.js, Node.js - Beginner), HTML/CSS, C++, MATLAB
- **Machine Learning & Data Science:** Scikit-learn, XGBoost, Ridge Regression, Data Cleaning, Predictive Modeling, Computer Vision
- **Business Intelligence & Analytics:** Excel (Power Pivot), Power BI (Intermediate), Tableau (Beginner)
- **Automation & Web Scraping:** Selenium, BeautifulSoup4, PyAutoGUI, Redis, Automation with Celery, Airflow pipelines
- **API & Backend Development:** Courier and Marketplace APIs (DHL, TikTok Shop, Shopify, etc) RESTful API design, Rasa chatbot integration, JWT authentication
- **Database Management:** SQL (MySQL, PostgreSQL, Oracle SQL, SQLite, MS SQL), MongoDB, ERD Design
- **DevOps & Hosting:** Linux, Git (Version Control), Server Configuration, Domain/Hosting Setup, Boto3 (AWS integration)
- **Tools & Platforms:** Oracle Fusion ERP (Contract rule setup), SPSS (Statistical Analysis), MS Office Suite, Google Workspace
- **Others:** Blender (Basic 3D Modeling & Animation), ArcGIS (Basic Segmentation), SPSS (Basic Statistics),

Certificates

- Participant of Machine Learning in Astronomy (2023)
- Data Science Foundations from Grow with Google (2023)
- Experience letter from Wix Digitals (2023)
- Experience letter from EdTutor (2022)
- Participant of ISNET/SUPARCO Distance Training course on Stellar Astronomy (2022)
- Qualifier in Python by Department of Physics, University of Karachi (2019)
- Organizer of NASA Space Apps Challenge, Karachi (2019).
- Organizer of NASA Space Apps Challenge, Karachi (2018).
- Organizer of Rozgar workshops for professionalism development (2019)
- Volunteer at University of Karachi Convocation (2019)
- Internship at FESF in social work (2019)