

SYED DANIAL KHURRAM

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SUMMARY

Data Scientist/AI Engineer experienced in Python, computer vision, deep learning, AWS (EC2, S3, SageMaker), Microsoft Azure (Functions, Document Intelligence, Copilot Studio, CI/CD pipelines), full-stack development, and MLOps—focused on building scalable, AI-driven solutions. Distributed data processing and analytics (Databricks, Spark fundamentals)

SKILLS

Programming Languages:	Python, JavaScript, TypeScript
Frameworks/Platforms:	Django, Flask, Next JS, TensorFlow, Keras, Streamlit, MCP, Copilot Studio, n8n
Data Analysis:	Pandas, NumPy, Matplotlib, SciPy, Scikit-Learn
Databases:	SQL, PostgreSQL, MongoDB
Cloud Services:	Azure (App services, Function Apps, Blob Storage, Azure AI Foundry), AWS (EC2, S3, SageMaker)
Tools and Technologies:	Docker, Databricks Workspace, n8n, CI/CD, Git/Bitbucket, Postman, ClickUp

EXPERIENCE

AI Engineer	Jan 2025 - Present
Kaispe	Karachi, Pakistan

- Designed and deployed Copilot Studio agents for Healthcare and Vendor Portal solutions, implementing secure data actions, multi-step conversational logic, and Dataverse-integrated workflows.
- Built services for parsing CVs and textual data from PDFs/images using Azure Function Apps.
- Built intelligent automation solutions using Microsoft Copilot Studio, Power Automate, Azure OpenAI, and AI Search, enabling seamless conversational experiences and end-to-end automation processes with enhanced knowledge retrieval and context-aware responses.
- Developed a complete invoice-processing pipeline using Azure Document Intelligence, orchestrated through Azure Functions.
- Engineered and deployed a production-grade AI-powered face recognition attendance system using FastAPI, real-time facial embeddings, vector similarity matching, and Dataverse + SharePoint integration for secure automated workforce tracking.
- Created multiple Azure Functions and integrated OpenAI Services with SaaS products.
- Created Autonomous agents using copilot studio and deployed custom MCP integration for SaaS solutions.

Data Scientist	Mar 2024 - Dec 2024
Toko Lab (Pvt) Ltd. (UdhaarBook)	Karachi, Pakistan

- Automated user churn detection by integrating Django, MongoDB, and a third-party API to identify and update uninstall events.
- Identified user segments through data analysis, enabling new product categories.
- Automated tasks to provide crucial data support for decision-making for Saddar APP (The ecommerce Store).
- Contributed to AI/ML research and innovation for upcoming projects.
- Performed large-scale data analysis using Spark-based workflows and cloud analytics platforms (BigQuery/Databricks style processing) for user funnel and behavioral insights.
- Enhanced user experience through journey analysis and behavior insights.

- Trained and deployed a model on pharmaceutical datasets for drug creation.
- Integrated robust APIs to support project success.

EDUCATION

Bachelors in Computer Science

Karachi Institute of Economics and Technology

2020 - 2024

Karachi, Pakistan

PROJECTS

Touch Code (Final Year Project)

Technologies: TensorFlow, Keras, NLTK, Ultralytics YOLO, OpenCV, React Native, Firebase, Deep Learning, Hugging Face, AWS

Description: Mobile app with Braille learning, practice, and translation modules using React Native and Firebase. Integrated CNN, YOLO, and Hugging Face models for Braille recognition and translation.

My Role: Trained CNN and YOLO models, built translation pipelines with Hugging Face, and deployed models on AWS.

Invoice Data Extractor

Technologies: FastAPI, MongoDB, Azure BlobStorage, Document Intelligence

Description: Built a pipeline to extract data from PDFs/images using document Intelligence.

Kaispe

Fine-Tuning LLM Technologies: LLaMA-2-7b, Hugging Face, Pandas, Tokenizer

Description: Fine-tuned a Large Language Model (LLM) on domain-specific data to enhance personalization and contextual accuracy.

User Journey Funnels

Technologies: Pandas, BigQuery, MongoDB, Django ORM

Description: Designed and analyzed 17 funnels to study user behavior, enabling market insights and user journey optimization.

UdhaarBook

Face Recognition System (MVP)

Technologies: Computer Vision, dlib, Azure Function App, FAISS

Description: A face encoding pipeline with data augmentation and FAISS indexing. Integrated RTSP real-time recognition, Dockerized app, and deployed on AWS EC2.

Freelance (2024)

Audio Chatbot Technologies: ReactJS, Flask, ChatGPT API, TTS, STT

Description: Developed a ReactJS-based interface with Flask backend to process speech input, fetch GPT responses, and return speech output.

PulseFeed (MVP)

Technologies: Vite, Typescript, Tailwind css, shadcn-ui, fastApi, Postgresql, Azure Open ai, webhooks, rss feed

Description: Developed a full stack application for users who want the summary of the headlines from different news channels and can listen to its summary on the go through the google's TTS functionality.

Freelance (2025)

CERTIFICATIONS

Build and Deploy ML Solutions on Vertex AI – Google

Advanced Deep Learning with Keras – DataCamp

Data Manipulation with Pandas – DataCamp

TensorFlow in Python – DataCamp

Natural Language Processing with spaCy – DataCamp

Artificial Intelligence Developer – PIAIC (Batch 36)

Deep Learning AI for Everyone – Coursera

iOS App Development – Zeal Tech