

# SUMAIR JAMALI

AI Engineer | Full-Stack ML Developer | Production AI, Data & Automation Systems

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## PROFESSIONAL SUMMARY

AI Engineer with 2+ years delivering production-ready AI, data, web-scraping, and backend systems end to end across client-facing platforms in construction intelligence, market-intelligence scraping, and LLM workflows. Skilled at turning requirements into FastAPI services, data pipelines, ML/LLM features, and cloud-deployed dashboards.

## TECHNICAL SKILLS

**AI / ML:** LLMs, PyTorch, scikit-learn, YOLO, OCR (PaddleOCR), Transformers, NLP, ASR, model routing, churn prediction, anomaly detection

**Backend & Data:** FastAPI, Django REST, Flask, Node.js, JWT auth, OpenAPI; Pandas, NumPy, ETL, CSV/XLSX ingestion, schema normalization, feature engineering, validation, deduplication

**Automation & Cloud/DB:** Selenium, BeautifulSoup, ThreadPoolExecutor, Chrome automation, staged job runners; PostgreSQL, MySQL, SQLite, Redis, Docker, Azure App Service, AWS S3, Firebase, CI workflows

**Frontend / Viz:** React, Vite, vanilla JS, Chart.js, Streamlit, responsive dashboards

## PROFESSIONAL EXPERIENCE

### Full-Stack AI Engineer | Techaft

Feb 2026 - Present

- Lead AI and backend development across client products, converting requirements into FastAPI services, data pipelines, dashboards, and deployed demos.
- Own delivery across system architecture, API contracts, ingestion logic, ML/LLM features, deployment checks, and client-ready technical documentation.

### Full-Stack ML Developer | EnlivenAI Solutions LLC

Feb 2025 - Jan 2026

- Built GPT/Claude agents, summarization and sentiment-analysis workflows, YOLO/OpenCV vision systems, Django/FastAPI APIs, and Streamlit dashboards.
- Improved data processing efficiency by 30% through optimized pipelines and concurrency.

### Python Developer (Earlier Roles) | DigiSol 365, StemEye Tech

2023 - 2024

- Developed Python automation, API integrations, Git-based team workflows, and responsive frontend interfaces.

## KEY PROJECTS

### NeurilMargin / Cost Science Intelligence ([Live](#) | [Repo](#))

FastAPI, PostgreSQL, Redis, Docker, Azure App Service, vanilla JS, Chart.js, scikit-learn

- Built a construction-intelligence MVP for Amanzimtoti Water Works: real-file ingestion, KPI engine (SPI/CPI/EAC), S-curve forecasting, anomaly detection, TARP alerts, and BOQ/executive dashboards.
- Hardened upload and access flows with validation, standardization, deduplication, JWT auth, project-scoped permissions, Redis caching, and an Azure pre-production runbook.

### Leadslo / Recon Scraper ([Live](#) | [GitHub](#))

FastAPI, React/Vite, Selenium, BeautifulSoup, Pandas, SQLite/PostgreSQL, JWT

- Built a full-stack US-presence intelligence platform using Panjiva exports, website signals, LinkedIn jobs, and US company database/API enrichment.
- Implemented staged job runners, upload/result/history APIs, progress tracking, CSV schema normalization, Selenium/Chrome automation, tests, and production environment setup.

### AI Tutor Model – Multi-Modal Educational Assistant

Python, Flask, React, Vite, xAI Grok API, PaddleOCR, SpeechRecognition, PyDub, Gunicorn

- Built a full-stack tutoring assistant that accepts text, image, and audio inputs and returns structured, step-by-step educational responses.
- Implemented OCR for handwritten notes, ASR for voice queries, model routing for text/vision tasks, and response formatting for math and code outputs.

### Lostlo – Lost & Found Community Platform Backend

Node.js, MySQL, Sequelize ORM, AWS S3, Firebase Cloud Messaging, JWT, Swagger/OpenAPI

- Built REST APIs across 12 modules for geolocation search, social interactions, image handling, push notifications, and role-based access control.
- Integrated AWS S3 storage, Firebase multi-device notifications, JWT authentication, and API documentation for production handoff.

## EDUCATION

### BS Computer Science | The Islamia University of Bahawalpur

2019 - 2023 | CGPA: 3.23 / 4.0 | Coursework: Machine Learning, Algorithms, Data Structures, Databases