

# PERVAIZ AHMED BROHI

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## PROFESSIONAL SUMMARY

Driven Python Developer & Machine Learning Engineer with verified industry credentials and hands-on experience developing production-grade backend systems, speech transcription pipelines, and predictive ML models. Ranked in the top 1% (#78 out of 9,704 candidates) globally during the Fly Rank AI Internship, successfully shipping 6 approved capstone projects and earning an official CEO-signed recommendation letter. Proven ability to combine technical expertise (Python, Fast API, Scikit-Learn, Pandas, APIs, Git) with strong business operations experience.

## TECHNICAL SKILLS

- **Programming Languages:** Python, SQL (Basic)
- **Backend & Web Development:** Fast API, REST APIs, Unicorn, SQLite, SQL Alchemy, Authentication, Web Scraping, File Handling (CSV/JSON)
- **Machine Learning & Data Science:** Scikit-learn, LightGBM, Data Preprocessing, Feature Engineering, Model Evaluation (Precision, Recall, F1-Score, RMSE), Pandas, Matplotlib, Seaborn, Statistics
- **Development & Tools:** Git, GitHub, VoicePulse AI / Assembly AI Streaming, Object-Oriented Programming (OOP), Exception Handling, VS Code, Agile Development

## PROFESSIONAL & TECHNICAL EXPERIENCE

### Back-End AI Engineering Intern | Fly Rank AI | July 2026 – September 2026

- Successfully graduated from the competitive global program, securing a global ranking of **#78 out of 9,704 candidates** on the performance leaderboard.
- Earned an official **Recommendation Letter signed by CEO Alen Malkoc**, validating completion of 45 practical AI engineering assignments and core curriculum in API contracts, prompt design, grounding, and operations.
- Developed, benchmarked, and deployed 6 approved capstone projects spanning backend infrastructure, LLM metering services, automated auto-tagging pipelines, and lead-generation tools.
- Completed 182 technical learning resources, 20 verified Anthropic Academy courses, and participated in 60 collaborative engineering sessions.

### Artificial Intelligence Intern | Code Alpha | 2024

- Engineered script-based AI algorithms and micro-projects in Python, focusing on algorithmic problem-solving and automated decision logic.
- Applied foundational machine learning workflows to mini-datasets, implementing exploratory data analysis (EDA) using standard Python data libraries.

### E-commerce & Amazon Operations Manager | Express Publishing LLC (USA) | Jan 2021 – Sep 2024

- Scaled monthly revenue from \$0 to \$500,000+ by implementing targeted product research algorithms, inventory tracking, and sales optimization strategies.

- Led and managed a team of operational assistants, automating workflow tracking to increase daily team processing efficiency by 30%.

### **Real Estate Sales Support | Investor Dropbox (USA) | May 2020 – Nov 2021**

- Managed and published real estate property catalog listings, ensuring accurate property data entry and standardizing listing schemas.
- Negotiated directly with prospective international buyers, contributing to the closure of high-value property deals.

## **KEY PROJECTS & FLYRANK APPROVED CAPSTONES**

- **LLM Usage Metering & Billing Service (Fly Rank Approved - Culminating Project):** Developed a robust backend service to track, meter, and bill Large Language Model API consumption, officially reviewed and accepted by lead track mentors.
- **Your 10x Solution / Lead Intelligence Hub (Fly Rank Approved):** Architected an API-first backend system integrating secure authentication, SQLite database persistence, automated web scraping pipelines, LLM lead scoring, and PDF report generation.
- **Image Relevance & Auto-Tagging Pipeline (Fly Rank Approved):** Engineered an automated image processing pipeline to categorize and tag digital assets using computer vision and AI classifiers.
- **Embeddable Widget & Lead-Capture Platform (Fly Rank Approved):** Built a secure full-stack data ingestion tool for real-time lead capture and tracking.
- **VoicePulse AI - Streaming Speech-to-Text Integration:** Developed real-time speech transcription integrations using Assembly AI streaming endpoints, the Python requests library, and customized backend event loops.
- **General AI Fluency & Impact Projects (Fly Rank Approved):** Applied foundational and advanced generative AI concepts to solve targeted, real-world business optimization problems.

## **EDUCATION**

**Bachelor of Science in Information Technology**

University of Sindh, Pakistan | 2022–2025

## **CERTIFICATIONS & TRAINING**

- **Official Recommendation Letter & Backend AI Engineering Certification** – Fly Rank AI (Signed by CEO Alen Malkoc)
- **AI Fluency Track Certification** – Fly Rank AI
- **Artificial Intelligence Internship** – Code Alpha
- **Python Programming Certification**
- **E-Commerce Level 4** – GIZ/ZABTECH

## **LANGUAGES**

- **English:** Professional Working Proficiency
- **Urdu:** Native