

ADIL IMRAN PINTOO

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SUMMARY

I build production data and AI systems — ingestion pipelines that don't fall over, orchestration platforms that run hundreds of jobs unattended, and LLM/RAG services that ship to Kubernetes instead of staying in a notebook. Most recently I built an AI-powered ESG scoring platform end to end at a mutual fund manager, from PDF ingestion to a production FastAPI service serving 2,000+ listed companies.

EXPERIENCE

Data Engineer · DSP Investment Managers

07/2025 – Present

- Architected and shipped an AI-powered ESG scoring platform (LLMs, RAG, vector embeddings, Tavily web search, Gemini Search Grounding) on Kubernetes-deployed FastAPI microservices, automating ESG evaluation for 2,000+ listed companies and cutting manual analyst effort.
- Built and now run the company's Apache Airflow orchestration platform from the ground up to production — designed the deployment, DAG conventions, and monitoring, and led a major-version upgrade in production. It orchestrates 100+ scheduled jobs across ingestion, ESG scoring, and analytics.
- Built large-scale ingestion pipelines (Python, Airflow, AWS S3) that scraped and processed 2,300+ ESG PDFs, XBRL filings, and annual reports across multiple financial years, with idempotent processing and 99% pipeline reliability.
- Designed and deployed a Typesense-based search engine — from schema design to containerized deployment as pods in the production Kubernetes cluster — powering fast, typo-tolerant search over companies (comps), portfolios, and financial metrics.
- Designed PostgreSQL schemas, audit tables, and materialized views powering a real-time market dashboard (1-day to 10-year historical charting) and portfolio analytics across corporate actions, arbitrage funds, and index comparisons.
- Engineered REST APIs and backend workflows for ESG score generation, analyst review, and version-controlled publishing, implementing a Generated → In Review → Finalized workflow with full audit history.
- Debugged and hardened production Kubernetes services — root-caused a dependency-conflict outage traced to a stale Dockerfile pin and recovered via kubectl rollout undo — then rewrote the Capitaline ingestion pipeline to eliminate silent failures, corrupt files, and unsafe uploads.
- Automated Snowflake permission auditing and redesigned ACL query generation for dynamic, enterprise-grade data access isolation.

Co-Founder & CTO · Kevora Global Pvt. Ltd.

02/2024 – 05/2025

- Co-founded a D2C brand for 5 premium Kashmiri products, driving market-entry strategy with a target of 10% category share.
- Built an NLP sentiment-analysis system over 10,000+ product reviews using NLTK and scikit-learn to guide product and messaging decisions.
- Led technical strategy for Amazon and Flipkart marketplace integration to support expansion.

Data Analyst Intern · Redemp Technologies Pvt. Ltd.

05/2024 – 07/2024

- Designed an ETL pipeline (SQL, Python, Airflow) that improved ESG data integration and cut data latency by 26%.
- Built automated data-validation and reconciliation checks across pipeline runs, catching schema drift and missing values before they reached client-facing dashboards.
- Built a real-time KPI dashboard in Tableau that improved sustainability tracking and helped clients cut carbon footprints by 19%.

- Ran data wrangling and lifecycle analysis (LCA) with Pandas and NumPy, driving a 15% reduction in client resource use.

SKILLS

AI / ML / LLM: LLMs, RAG, Prompt Engineering, Vector Databases, Embeddings, Gemini, Tavily, AI Evaluation, PyTorch, scikit-learn

Backend & APIs: FastAPI, REST APIs, Flask, Django

Data Engineering: ETL / ELT Pipelines, Data Modeling, Apache Airflow, Typesense, Pandas, NumPy

Databases: PostgreSQL, MongoDB, Snowflake, SQLite

Cloud & DevOps: AWS S3, Kubernetes, Docker, Linux, Git

Languages: Python, SQL, JavaScript, C, C++, Java, Go, R

Financial Systems: Market Data, Portfolio Analytics, ESG Analytics, Corporate Actions

Visualization & Other: Power BI, Tableau, Plotly, Matplotlib, React, Advanced Excel

EDUCATION

Indian Institute of Technology, Delhi

07/2021 – 08/2025

B.Tech in Biochemical Engineering & Biotechnology

Minor in Computer Science and Engineering

Relevant coursework: Data Structures & Algorithms, Operating Systems, Computer Networks, Database Management Systems (DBMS), Programming Languages, Probability Theory & Stochastic Processes, Probability & Statistics

Certifications: Google Data Analytics, Google IT Support, NYU Cybersecurity, IBM Full Stack Software Developer

POSITIONS OF RESPONSIBILITY

Technical Coordinator · BRCA, IIT Delhi

08/2023 – 06/2024

- Developed a mobile app for event management, increasing registration efficiency by 50% and participant engagement by 30%.
- Core team member for RDV Fest, a 100+ event festival with 5,000+ participants over 3 days.
- Revamped the Board's online presence, increasing web traffic by 40% and user engagement by 25%.

Project Associate · Enactus IITD

08/2022 – 06/2023

- Jointly launched a project with Teach For India to upskill 10,000+ underprivileged students using sustainable education modules.
- Founded Brand Trijha, launching eco-friendly gardening kits and generating INR 70k+ in revenue.