

Aishwarya

AI Engineer

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SUMMARY

AI Engineer with 11+ years spanning data analytics, data science and applied AI — from traditional data mining through to production LLM systems. Currently building RAG and agentic AI solutions on Azure, with a focus on retrieval quality, evaluation, and automations that drive efficiency at enterprise scale.

EXPERIENCE

Associate Manager, AI/Data Analytics — EY GDS

Dec 2020 — Present • Gurgaon, India

Due Diligence Automation (DDA) — production RAG platform • 4 countries • 20+ enterprise clients

- Developed backend services for the platform, used for intelligent financial audits; partnered with OpenAI engineers to optimize retrieval pipelines and LLM orchestration, improving response quality and production reliability.
- Built the document ingestion pipeline on Azure Service Bus, orchestrating extraction of text and image content from source files before indexing into Azure AI Search, and tuned chunking strategies to improve retrieval quality.
- Added multi-model selection across user and admin interfaces, allowing requests to be routed between LLMs.
- Measured retrieval and generation quality using RAGAS and a custom evaluation harness, driving improvements in grounding accuracy.

Text-to-SQL Agent

- Building an agent that translates natural language into SQL queries against audit databases, retrieving structured and unstructured information and generating trustworthy responses using LLMs, LangGraph and agentic workflows.

Analytics & Automation

- Developed an R Shiny analytics platform for healthcare capacity forecasting and demand planning, enabling data-driven resource allocation for a UK healthcare organization.
- Built custom Alteryx macros and workflows automating complex ETL processes, reducing processing time by 80% for enterprise data pipelines.
- Automated secure project lifecycle management on Snowflake, including provisioning, role-based access control (RBAC), user onboarding, and operational tracking.
- Developed a heat pump sales forecasting model for various scenarios and geographies across the EU using a rigorous ridge regression model.
- Built end-to-end ML pipelines on Azure DevOps with CI/CD integration, automating model training, evaluation and deployment with MLflow.

Analytics Executive — GroupM

Nov 2017 — Nov 2020 • Gurgaon, India

- Developed Market Mix Models (MMM) to optimize media budget allocation across the US market, enabling data-driven marketing investment decisions and sales optimization for enterprise clients.
- Built automated data analytics pipelines using Alteryx, R, SQL, and Power BI, transforming large-scale marketing data into actionable insights through automated reporting, interactive dashboards, and performance visualizations.

Business Development & Web Analytics — Grapes Digital

May 2016 — Oct 2017 • Saket, India

- Worked in a business development and client handling role, driving business and media campaigns for Indian automotive clients.
- Tracked social media and website analytics, reporting on engagement patterns to inform campaign decisions.

Social Media Analyst — To The New Digital

Apr 2015 — Nov 2015 • Noida, India

- Analysed social media data to extract insights into user sentiment and trends.

SKILLS

Languages	Python, SQL, R
Gen AI & LLMs	LLMs, RAG, agentic workflows, LangChain, LangGraph, LLM orchestration, text-to-SQL, chunking strategies, embeddings, multimodal (text & image)
Retrieval & Evaluation	Azure AI Search, semantic search, RAGAS, custom evaluation harnesses, grounding accuracy
ML & Forecasting	Machine Learning, Neural Networks, time-series forecasting, ridge regression, Market Mix Modelling (MMM)
Cloud & DevOps	Azure OpenAI, Azure AI, Azure Service Bus, Azure DevOps, Docker, CI/CD, MLflow, Git
Data & Analytics	Alteryx (Expert), Snowflake, MS SQL, MS Excel
BI & Power Platform	Power BI, R Shiny, Power Automate, Power Apps

PROJECTS

- Hireability Analyzer** — LLM-powered tool that scores hireability and estimates market value from a resume, GitHub and Kaggle profile. Parses PDF/DOCX resumes, collects profile signals, and prompts an LLM with Pydantic-validated structured outputs to produce a weighted 0–100 score, salary estimate and targeted recommendations. Containerised and deployed as a Hugging Face Space.
Python, Groq, Pydantic, Gradio, PyMuPDF, Playwright, Docker · huggingface.co/spaces/aishidiot/resume_analyzer2 · github.com/aish-codes/Hireability-Analyzer

EDUCATION

B.Tech, Electronics & Communication Engineering — GGSIPU	2011 — 2015
Higher Secondary (STEM) — CBSE	1998 - 2011

CONTINUED LEARNING

- Neural Networks: Zero to Hero Lectures** — Andrej Karpathy
- ISLR: Introduction to Statistical Learning Lectures** — Stanford University
- Computational Linear Algebra Lectures** — Rachel Howard