Som Pande

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Education

Shiv Nadar Institute of Emminence **2019 – 2023**
B.Tech: Computer Science Engineering *GPA: 7.9*

Experience

IDAC, PWC India

AI Engineer - Associate *Dec'25 - Present*

- Conducted end-to-end AI/ML training programs for high-value client employees, covering foundational Python and ML concepts through to GenAI essentials, RAG, and Multi-AI Agent Architecture.
- Delivered hands-on sessions on LLMOps using low/no-code platforms such as LangFlow, enabling non-technical stakeholders to build and deploy AI workflows independently.

Lighthouse, KPMG India

AI Engineer - Analyst *Jan'24 - Dec'25*

- Built a Python and OpenAI-based workflow automation platform, migrating **150+ workflows** from Alteryx to a no-cost solution, reducing client licensing costs to **zero**.
- Engineered a scalable pipeline to extract and preprocess **millions of data points** across different social media platforms, enhancing sentiment analysis accuracy and processing efficiency.
- Designed and implemented backend APIs for a supply-chain platform using FastAPI and Pytest, ensuring modular architecture and **90%** test coverage for reliability.

Projects

Alteryx To Python

- Built a Python-based alternative to Alteryx using OpenAI, knowledge graphs, and a custom package integrating Pandas, NumPy, and PyODBC to enable scalable, no-cost workflow automation.
- Engineered a graph-driven approach to extract node relationships and optimize API usage, cutting OpenAI API calls by **40%** while ensuring high accuracy through advanced prompting techniques.
- Enabled seamless ingestion and export across Snowflake, SQL Server, and multiple file types (.csv, .xlsx, .hyper) by integrating Pandas, OpenPyXL, PyODBC, Pantab, and HyperAPI into the data processing pipeline.

AI-Native Smart Hiring Platform

- Built an AI-native hiring platform using LangChain and Gemini API, orchestrating a multi-agent pipeline that automates the full hiring funnel from resume screening to offer generation, reducing time-to-hire by **60%.**
- Designed a multi-agent architecture with structured prompt chaining covering deep resume evaluation, JD alignment, gap analysis, and an adaptive assessment agent with custom LLM-driven scoring logic that dynamically shifts modality based on response quality.
- Designed the AI layer with explainable, human-in-the-loop agent decisions, supported by a recruiter-facing analytics portal surfacing candidate performance trends and hiring funnel insights, making the system production-ready for enterprise workflows.

AI-Powered Lead Generation and Customer Support Pipeline

- Built an AI-powered customer relations pipeline using Retell, ElevenLabs, and Twilio, deploying calling agents referenced against a structured knowledge base, handling **100+** leads and calls with automated qualification and routing.
- Engineered a multi-channel support layer with AI chatbots, mailing agents with automated flag status, and Calendly-integrated meeting scheduling, achieving **65%** inquiry resolution without human intervention.
- Orchestrated the mailing support pipeline on n8n, automating email-based inquiry resolution with appropriate flag status management and Calendly-integrated meeting scheduling for escalations requiring human follow-up.

Skills

Languages: Python, SQL
Technical Skills: Python Development,Generative AI, Data Analysis, Data Science, Artificial Intelligence, Automation
Platforms: GCP, Microsoft Azure, FastAPI, Streamlit, Pydantic, Alteryx, Github, Render, Retell, Elevenlabs, Twilio
Data Skills: Information Retrieval, EDA, Pandas, Numpy, Snowflake, Mongodb, Excel
AI Skills: OpenAI, Gemini, Claude, RAG, Langchain, Agentic AI, Multi-AI Agents, Vector DB

Achievements

Microsoft Certified: Azure AI Engineer Associate
KPMG Super Team Award '25: Recognized as part of the best-performing team for outstanding collaboration, innovation, and impact on key business initiatives.