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Experience

July 2025 – Present

Software Developer Engineer - 1

Pehchaan AI Technologies

- Designed and implemented intelligent workflow automation for a FinTech client using **Zoho Creator, Microsoft Azure, and AI services**. Built document ingestion and form-based routing workflows in Zoho Creator, automatically organizing documents by type.
- Integrated **Azure Document Intelligence** (prebuilt layout) with **Azure AI Foundry** (GPT-4o) for document classification and keyword-based extraction from unstructured PDFs, scans, and reports.
- Automated 20+ document types using **Power Automate** and **API integrations**, extracting structured data (Markdown) and persisting it in Zoho Creator for deal creation.
- Developing a full-stack financial advisory logic platform leveraging AI agents, browser automation, and backend services with Azure Doc Intelligence and GPT prompts.
- Built AI agent workflows for loan, insurance, and superannuation document processing using **Cursor IDE**, GitHub, and AWS-hosted servers.
- Developed **Zoho Creator Deluge** scripts to extract, transform, and validate structured and unstructured data for dynamic business use cases.
- Integrated **Equifax APIs** with **Zoho Creator** for automated financial and identity data retrieval.
- Created Power Automate workflows to consume third-party APIs, converting XML responses to JSON for downstream processing.
- Implemented company search, ACN lookup, title search, and PPSR integrations to support automated compliance and verification workflows.
- Deployed secure API services on **Azure VM** with **Tailscale**-based IP whitelisting for controlled access.
- Collaborated with product and operations teams to translate fintech and compliance requirements into scalable automation logic.

October 2025 – Present

Workflow Automation & AI Agents (n8n) – Freelance

n8n, LLMs, Apify, Google Sheets, Google Drive, Social Media APIs

- Developed social media automation using n8n for Instagram, Facebook, LinkedIn, and Pinterest, covering content creation, media fetching, posting, retries, and status tracking.
- Created a Google Sheets-driven AI content agent for generating and publishing platform-specific posts from keywords, integrating image fetching from Google Drive.
- Implemented AI-powered chatbots for client websites using RAG for document-based Q&A from PDFs, FAQs, and internal knowledge bases.
- Built a Lead Generation AI Agent with Apify + n8n for automated scraping, enrichment, filtering, and lead storage.
- Developed a LinkedIn job automation agent to scrape and filter jobs, summarize listings, and send alerts.
- Designed automation pipelines with conditional logic, failure handling, scheduled retries, and notifications.

July 2025 – Present

Freelance Projects

- Python Automation & ETL: Built automated ETL pipelines, data cleaning scripts, and Excel-based dashboards for a logistics client; created EXE utilities to auto-generate and send payment reminder emails.
- Data Visualization: Delivered Power BI dashboards, pivot reports, and Excel automation for supply chain performance.
- Web Development: Designed and deployed a fashion e-commerce site on Wix (CMS, UI/UX, custom automation).

Education

2021 – 2025

B.Tech Computer Science Engineering (Cybersecurity)

Amrita Vishwa Vidyapeetham, CGPA : 8.12

First Class with Distinction

Projects

April 2025 – May 2025

MCP Servers – Multi-Component AI-Powered Workflows [✍](#)

Python, FastMCP, LangChain, Cursor, Claude Desktop, ChatGroq (Qwen), MCP architecture.

- Built an HR Management MCP Server using FastMCP for natural language HR operations, integrated with Claude Desktop for real-time employee record management.
- Developed a memory-enabled chat agent with LangChain MCP + ChatGroq (Qwen 3.2B), integrated with tool-servers like playwright, duckduckgo, and Airbnb, supporting contextual memory, web search, and tool invocation in multi-turn conversations.

January 2025 –
February 2025

MedAI Compliance: AI-Based Medical Regulatory & Security Compliance System [✍](#)

AI, HIPAA/GDPR Compliance, Anomaly Detection, Bias Detection, Adversarial Attack Defense; Python, React.js, NLP

- Developed AI-powered system for HIPAA/GDPR compliance: reduced audit time by 35%, improved AI decision-making by 40%, achieved 92% anomaly detection accuracy, and automated 50% of manual processes.

January 2025 –
March 2025

AI-Powered Document Search and Chatbot Development [✍](#)

AI Development, Mistral AI, Ollama, LangChain, FastAPI, ChromaDB, Streamlit

- Configured Mistral AI and Ollama for local, cloud-free AI application development.
- Implemented text extraction from PDF, DOCX, and TXT files for efficient data processing.
- Converted text into embeddings using Sentence-Transformers and Hugging Face models for semantic search.
- Developed Retrieval-Augmented Generation (RAG) system to provide contextually relevant AI responses.
- Built AI-powered APIs with FastAPI for document search and query management.

September 2024 –
January 2025

Leveraging AWS SageMaker: Building Machine Learning Models for Banking Data [✍](#)

Machine Learning, AWS SageMaker, Data Analysis, Cloud Computing

- Developed and deployed machine learning models on AWS SageMaker for fraud detection and risk assessment in banking data.
- Utilized SageMaker's algorithms and Jupyter notebooks for data preprocessing, feature engineering, and model training.
- Optimized models through hyperparameter tuning and evaluated performance using accuracy and AUC-ROC metrics.

February 2025 –
March 2025

AI-Powered Inventory Search Using LLM for SQL

LLMs, Natural Language to SQL, Database Security, Few-Shot Learning; Google Gemini LLM, LangChain, SQL, MySQL, Streamlit

- Developed an AI-powered inventory search using Google Gemini LLM for secure SQL queries with Few-Shot Learning, ensuring accuracy. Integrated the system with MySQL and Streamlit.

Key Skills

- **Programming & Scripting:** Python, SQL, JavaScript, HTML, CSS, React.js
- **Cloud, DevOps & Automation:** Microsoft Azure (OpenAI, Functions, Document Intelligence, Power Automate, AI Foundry), AWS (SageMaker, S3), Zoho Creator, Zoho CRM, n8n, Apify
- **AI/ML & Agent Systems:** GPT-4o, OpenAI, LangChain, Mistral AI, Ollama, ChatGroq (Qwen), Google Gemini, Hugging Face, Sentence Transformers, RAG, Few-Shot Learning, AI Agent Automation
- **Workflow & Integrations:** ETL pipelines, Python automation, API integrations, Email automation
- **Data & Analytics:** Power BI, Tableau, Pandas, NumPy, Excel, Pivot Tables, Matplotlib, Seaborn
- **Web & Backend:** FastAPI, Streamlit, REST APIs, MySQL, ChromaDB, Wix CMS, UI/UX Design
- **Tools:** Git, GitHub, Cursor IDE
- **AI Use Cases:** Content Generation, RAG-based Chatbots, Lead Intelligence, Job Automation, Document Intelligence
- **Soft Skills:** Problem-Solving, Research Thinking, Agile Development, Client Communication, Team Collaboration

Publications

24th June 2024

Shallow and deep learning based approaches for malicious URL detection: A comprehensive Performance Evaluation [↗](#)

The Fifteenth International Conference on Computing, Communication and Networking Technologies (ICCCNT), held at IIT-Mandi