

# SUSAN ARYAL

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## Professional Summary

AI Engineer with hands-on experience in developing AI-powered applications, chatbots, and prototypes. I am skilled in Python, JavaScript, machine learning frameworks, and cloud technologies, with expertise in generative AI (LLMs), automation tools, and rapid prototyping. Passionate about leveraging AI to solve real-world challenges while driving innovation in fast-paced environments. Brings a maker mindset, adaptability, and creativity to every project.

## Core Skills

- AI & ML: LLMs (GPT, LLaMA), fine-tuning, embeddings, prompt engineering, TensorFlow, PyTorch, scikit-learn
- Programming & Development: Python, JavaScript, Django, Flask, FastAPI, SQL
- Prototyping Tools: Bubble, Retool, Airtable, Zapier, n8n, Make
- Data & Cloud: Data processing, cleaning, API integration, Azure, AWS, Power BI, Tableau
- Strengths: Rapid prototyping, problem-solving, innovation mindset, startup adaptability

## Professional Experience

Data Specialist

Cloud Factory (Sprout Technology Service Pvt. Ltd.) | Jan 2024 – Present

Independent AI/ML Developer | 2022 – Present

- Self-learned and applied emerging AI technologies (LLMs, prompt engineering, cloud deployments).
- Built side projects (AI Resume Classifier, MCQ Quiz App, File Extraction Tool) for rapid prototyping.
- Participated in hackathons and completed freelance projects in AI automation, chatbots, and data solutions.

## Projects

- AI Resume Classifier (LLaMA-based): Built an AI system to classify resumes using embeddings and fine-tuning.
- MCQ Quiz Game App: Developed a single-page application with AI-driven dynamic question validation, explanations, and scoring.
- File Extraction Tool: Created a drag-and-drop Python UI application for automated file extraction and recent-folder tracking.
- Maze Solver (AI Project): Implemented multiple AI search algorithms (*DFS*, *BFS*, *UCS*, *A*, *Best-First Search*\*) in Python.
- Online Library & Bookstore Systems: Designed ER diagrams, normalized databases, and developed SQL-based applications.

## Education

### BSc. Hons in Computer Science

Texas College of Management and IT | Expected Graduation: 2025

## Certifications

- Certified Associate Data Engineer | Data Camp Credentialed
- Data Analyst Bootcamp – SQL, Python, Power BI, Tableau, Excel (Alex the Analyst)
- Python for Data Analysis & Visualization | Texas College of Management and IT & Dursiksha
- Short Courses: Pitch & Presentation, Leadership, Web Development, IT Basics, Machine Learning (Nobel Fundamentals)