

Who are you?

About Me:

I'm Nazzal Kausar , A Gen AI Engineer who builds intelligent AI apps and powerful web scrapers with automated workflows. A Generative AI Engineer who builds intelligent AI apps and powerful web scrapers to automate workflows and unlock real-time insights.

I'm Nazzal Kausar, a Generative AI Engineer specializing in building intelligent apps — from RAG systems and AI agents to chatbots and document assistants. I also offer advanced web scraping solutions and workflow automation to help businesses save time and unlock the full power of their data.

My socials:

- Facebook: <https://www.facebook.com/iamnazzalkausar>
- Instagram: <https://www.instagram.com/iamnazzal>

Contact Info:

Name

Nazzal Kausar

Birthday

April 15, 2005

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Address

Mardan, KPK, Pakistan

Resume

Education:

Bachelor of Computer Science

VU, Pakistan

2025 - ongoing

Course content: Data Structures and Algorithms along with problem solving communication skills.

Experience

Freelancer

Fiverr - Upwork

2025 - Running

I have been providing Gen Ai services along with Web Scraping and Workflow automation services.

Gen-Ai Engineer

Nexcraft Studio

2024 - Running

Working as a Gen-Ai Engineer at Nexcraft Studio where I automate workflows, scrape data to generate leads and build Generative Ai Applications.

Personal Skills

- Time Management
- Good Communication
- Problem Understanding
- Problem Solving
- Teamwork
- Leadership

Tech stacks I have used in my projects so far:

Gen Ai:85%

MLOps : 70%

Automation:80%

Web Scraping:30%

Portfolio/Projects:

Project 1:

Tags: web scraping, Generative Ai, Streamlit

AI Estate Scraper



AI Estate Scraper – LLM-Powered Real Estate Data Extraction

What It Does:

AI Estate Scraper is an advanced web scraping solution that leverages **LLMs (Large Language Models)** to extract real estate data from complex

JavaScript-heavy websites. It provides:

- **LLM-Powered Extraction** – Handles dynamic content and AJAX-loaded pages.
- **Accurate Data Collection** – Extracts property details like price, location, and amenities.
- **Anti-Ban Protection** – Uses proxies, CAPTCHA solving, and headless browsing.
- **Customizable Output** – Exports data in CSV, JSON, or database format.
- **Real-Time Updates** – Fetches fresh property listings on demand.

How its different?

- Handles JavaScript-heavy websites with ease.
- Fully automated, saving **time and effort**.
- Can be **customized** for specific real estate platforms

Links:

Source Code: <https://github.com/nazzal5448/AiEstateScraper>

Project 2:

Tags: Generative Ai, Deep Learning

Talk To Docs

Instantly Find Answers in Your Documents with AI

Talk to Docs is an advanced **AI-powered document assistant** that allows users to **ask questions** and get **instant, accurate answers** from PDFs, Word documents, and other text files. No more scrolling—just **ask and get insights in seconds!**

Key Features:

- **Smart Document Search** – Ask natural language questions & get precise answers
- **Supports Voice & Text Input** – Ask question in your preferred way

- **Supports Multiple File Types** – PDFs, Word, TXT, and more

- **Powered by LLMs & RAG** – Uses **Retrieval-Augmented Generation (RAG)** for better accuracy

- **Fast & Efficient** – No need to read lengthy documents—get instant summaries

- **Scalable & Secure** – Works for individuals, businesses, and enterprise solutions

Tech Stack:

- **LLM Frameworks** – LangChain, LlamaIndex, Groq, Hugging Face

- **Vector Databases** – Pinecone, FAISS, Weaviate, ChromaDB

- **Frontend** – Streamlit • **Backend** – Flask • **Cloud & APIs** – Streamlit, GroqAPI

Perfect for researchers, students, businesses, and professionals who need quick access to key document insights.

Links:

Source code: <https://github.com/nazzal5448/talktodocs>

Demo: <https://talktodocx.streamlit.app/>

Project 3:

Tags: Generative Ai, Deep Learning

Fitness Checker

Fitness Level Prediction Using Machine Learning & Streamlit

Developed an **AI-powered Fitness Level Prediction model** that evaluates a user's fitness based on input parameters. Built using **machine learning algorithms**, the model analyzes key health metrics to provide personalized fitness insights. The project is **deployed online using Streamlit**, enabling an interactive and user-friendly experience.

Key Technologies:

Python, TensorFlow, Pandas, Streamlit, Machine Learning

Project Outcomes:

- Predicts user fitness levels based on input data
- Deployed as a **real-time web app** using Streamlit
- User-friendly interface for seamless interaction

Links:

Source code: <https://github.com/nazzal5448/fitnesschecker>

Demo: <https://fitnesschecker.streamlit.app/>

Services:

Data Processing

Streamlined Data Processing for AI Success

Clean, structured data is the backbone of every successful GenAI application. I specialize in transforming raw, unstructured data into ready-to-use formats for AI models. Whether it's tabular data, PDFs, images, or text documents, I use a combination of Python, Pandas, NumPy, OpenCV, and PyMuPDF to extract, clean, and prepare your data.

How I do data processing?

I start with a detailed assessment of your data sources and end goals. From there, I build custom data pipelines that automate cleaning, formatting, deduplication, and validation. If required, I also perform feature engineering to boost model performance.

Why It Matters?

Clean data saves time, improves model accuracy, and reduces downstream errors. You get a more robust AI system with fewer bugs and greater reliability.

Tools I Use?

- Python (Pandas, NumPy, Matplotlib)
- OpenCV for image data
- PyMuPDF and Tika for PDFs
- Custom scripts for structured extraction

Model Development and Deployment

End-to-End AI Model Development & Deployment Services

From building powerful machine learning or GenAI models to putting them in production, I handle the entire lifecycle. I specialize in creating models for text, vision, or tabular data and deploying them on scalable cloud infrastructure.

How I Deploy and develop model?

I begin with problem scoping and data exploration, followed by selecting the right architecture—whether it's a transformer, CNN, or gradient boosting. Once trained and evaluated, I deploy using FastAPI, Docker, or TensorFlow Serving—depending on the project's needs.

Why It Matters

You get accurate models that are also ready for real-world use—fast, scalable, and accessible through APIs or UI.

Tools I Use

- TensorFlow, PyTorch, Scikit-learn
- FastAPI, Docker, Streamlit
- Google Colab, Hugging Face

Chatbot Development

Conversational AI Chatbots Tailored to Your Business

I build smart, responsive chatbots powered by advanced LLMs and custom knowledge bases. From simple customer support bots to domain-specific assistants, my chatbots are designed to understand, respond, and even remember.

How I develop chatbots?

I start by analyzing your business needs and user intents. Then I use LangChain or Rasa with LLMs like GPT or Gemini to build the core logic. I can integrate with websites, CRMs, or messaging apps.

Why It Matters

Chatbots improve user experience, reduce workload, and are available 24/7. With GenAI, they're now smarter than ever.

Tools I Use

- LangChain, Rasa, OpenAI API
- Streamlit or custom frontend

- Pinecone, ChromaDB for memory

RAG Applications Development

Robust RAG Applications to Query Your Documents Like a Pro

I develop Retrieval-Augmented Generation (RAG) applications that allow users to ask questions and receive answers grounded in your actual data. Whether it's PDFs, manuals, or knowledge bases, RAG lets you build ChatGPT-like interfaces for your documents.

How I Work

Using tools like LangChain, LlamaIndex, and ChromaDB, I build pipelines that extract text, chunk it, embed it, and make it searchable. Then I integrate it with powerful LLMs that answer questions in real-time.

Why It Matters

No hallucinations. Users get accurate, document-based answers—perfect for customer support, research, or compliance.

Tools I Use

- LangChain, LlamaIndex
- ChromaDB, FAISS
- GPT, Gemini, Mistral, or open-source models

Web Scraping

Custom Web Scraping Services for Clean, Structured Data

Need data from the web? I build robust scrapers that extract structured info from sites like Zillow, LinkedIn, e-commerce stores, and more—even with CAPTCHAs and pagination.

How do i scrape websites?

Using Scrapy, Selenium, or Playwright, I build spiders that navigate, scroll, click, and extract. I handle rate limits, proxies, and rotating user agents to avoid blocks. Data is delivered clean and ready to use.

Why It Matters

Fresh data fuels better decisions, whether it's for market analysis, product tracking, or lead generation.

Tools I Use

- Scrapy, Playwright, Selenium
- Rotating proxies, headless browsers
- Export to CSV, JSON, or live APIs

Smart Workflow Automation to Save Time and Boost Output

Why waste time on repetitive tasks? I create intelligent automations for tasks like content generation, lead capture, reporting, and more—so you can focus on growing your business.

How do i automate workflows?

After identifying the manual processes in your workflow, I automate them using tools like n8n, Zapier, and custom Python scripts. I can also integrate APIs to automate entire business operations.

Why It Matters:

Automation reduces errors, saves time, and lets you scale operations with fewer resources.

Tools I Use:

- n8n
- Python + APIs
- Google Workspace integrations
- CRMs Integrations

Testimonials:

Laura Brooklyn

Fashion Designer

"Nazzal Was really quick at understanding what i needed and has been honest throughout."