

Uzma Khatun

Aspiring AI/ML Engineer

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Motivated AI/ML Engineer pursuing a BCA with a focus on building scalable and intelligent systems. Experienced in Python, LangChain, Streamlit, and Agentic AI workflows. Adept at transforming ideas into automation-powered AI tools for real-world use.

Internship Experience

AI/ML Engineer Intern | AffyCloud IT Solutions (April 2025 – September 2025)

Decision Support Agent

- Developed an AI-driven agent to analyze and compare company stocks for investment decisions.
 - Integrated Yahoo Finance data with Crewai agents for performance and sentiment analysis.
 - Generated intelligent recommendations on whether to invest in a particular company, backed by data-driven reasoning.
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AI Engineer Intern | BXB Analytics

FableBug AI – Bedtime Story Generator

(July 2025 – August 2025)

- Developed an AI-powered story generator for kids using n8n automation workflows and LLM-based storytelling.
 - Integrated Perspective API for toxicity filtering and Supabase for storing story data and user inputs.
 - Designed a dynamic frontend for generating creative, personalized bedtime stories with consistent characters and themes.
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Programmer Analyst Intern | Afucent

AI Automation

(September 2025)

- Developed email and LinkedIn automation workflows to streamline outreach and engagement processes.
 - Utilized n8n for no-code automation and integrated APIs for seamless message scheduling and delivery.
 - Enhanced communication efficiency and improved lead management through data-driven automation solutions.
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Projects

[LinkedIn Carousel Generator](#)

- Built automated n8n workflow aggregating 10 RSS feeds, analyzing storage industry trends with AI, and generating targeted LinkedIn carousels.
- Integrated OpenRouter LLMs for content summarization, trend analysis, and B2B marketing copy generation.
- Implemented HTML-to-image conversion, PDF export, and LinkedIn API posting for end-to-end carousel automation.

[PDF Q&A Bot](#)

- Built a question-answering bot that extracts answers from uploaded PDF files.
- Integrated LangChain, FAISS, and SentenceTransformers for semantic search.
- Designed a user-friendly Streamlit app for document-based interactions.

AI Chatbot

- Developed an interactive AI chatbot using LangGraph and LLM-based tools.
- Enabled real-time conversation using Tavily api and response generation.
- Frontend built with Streamlit, backend deployed via Render for smooth user experience.

AI Story Generator

- Built AI-powered story generator using Groq LLM and Streamlit with customizable genre, theme, style, and character inputs.
- Implemented multi-format export TXT and HTML with emoji enhancement features for creative storytelling.
- Integrated Groq API with optimized prompting for fast, context-aware narrative generation tailored to user specifications.

PDF to Excel Converter

- Built an intelligent document automation tool that transforms unstructured PDF files into organized Excel spreadsheets.
- Integrated Groq AI for pattern recognition and semantic parsing to extract and structure data from complex documents.
- Designed a user-friendly Streamlit interface for seamless PDF upload and instant Excel export functionality.

Education

Barkatullah University, Bhopal

Bachelor of Computer Applications (BCA) (2023-2026)

Currently in 3rd Year

Skills

Programming Languages: C, C++, Python, SQL

Data Visualization: NumPy, Pandas, Matplotlib, Seaborn, Jupyter Notebook, Colab

Data Analysis: Hypothesis Testing, Statistical Analysis, Feature Engineering, Dimensionality Reduction, Cross-Validation Techniques, Model Evaluation

Machine Learning Techniques: Supervised Learning, Unsupervised Learning, Clustering, Decision Trees, Random Forest, K-Means, Naive Bayes, Ensemble Methods, Anomaly Detection and Deep Learning

Advanced Technologies: LangChain, LangSmith, Crewai, Agentic AI, RAG (Retrieval-Augmented Generation)

Automation and Workflow Took: n8n

Version Control: Git, GitHub