

EMAN SHAHBAZ

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Profile

An enthusiastic and self-driven individual specializing in AI automation with hands-on experience in building intelligent workflows, LLM-powered agents, and WhatsApp automation systems. Skilled in streamlining business processes using tools like n8n, LangChain, and API integrations. Passionate about leveraging AI, data-driven insights, and automation to improve operational efficiency, enhance user experiences, and support scalable digital transformation. Committed to continuous learning and adapting to evolving technologies in modern AI ecosystems.

Skills

Programming: Python, NumPy, Pandas, scikit-learn

AI & Machine Learning: LLMs, LangChain, Machine Learning (ML), Deep Learning (DL), NLP

Automation & Tools: n8n, Docker, API Integrations, WhatsApp Cloud API, Webhooks, Git, VS Code, Zapier, Make.com

Databases: Supabase, MongoDB, VectorDB, MySQL, Microsoft SQL Server

Professional: Performance Management, Project Planning & Scheduling, Conflict Resolution, Documentation & Reporting, Communication Skills, Critical Thinking

Projects

WhatsApp Agent for Multitasking & Meeting Scheduling | *n8n Automation, APIs*

November, 2025

- Built an automated WhatsApp assistant capable of booking admissions meetings and handling user queries simultaneously.
- Integrated n8n workflows with Google Calendar and internal CRMs to fully automate scheduling.
- Designed multi-step conversational logic to ensure smooth user experience and reduce manual workload.

WhatsApp Marketing Bot | *LangChain, Python, LLMs*

October, 2025

- Developed an AI-driven WhatsApp bot for automated customer engagement and personalized marketing responses.
- Used LangChain to manage LLM workflows, memory handling, and dynamic message generation.
- Integrated WhatsApp Cloud API for message broadcasting, campaign replies, and lead nurturing automation.

AI News Detector | *NLP, ML*

May, 2025

- Created a web-based AI system to detect misinformation and classify news as real or fake.
- Trained ML models using labeled datasets, TF-IDF, and NLP preprocessing pipelines.
- Implemented evaluation metrics to ensure accuracy and reliability of predictions.

Experience

AI Automation Engineer (DeepVision.ai)

Sept. 2025 – Present

AI Automation Engineer

Lahore, Pakistan

- Working on building AI automation workflows using n8n, LangChain, LLMs, and API integrations to enhance business processes.
- Developing intelligent agents, conversational bots, and automated pipelines that reduce manual workload and improve operational efficiency.

Publications

AI and Blockchain-Based Security Strategies for IoT in 5G

Nov. 2024

- Proposed a hybrid AI-Blockchain framework designed to secure low-power IoT devices in 5G environments.
- Focused on anomaly detection, decentralized verification, and real-time threat identification.
- Developed a scalable architecture ensuring data integrity and improved device-to-network communication security.

Education

Superior University

Mar. 2022 – May 2026

Bachelor of Computer Science

Lahore, Pakistan