

SABAHAT FARHAT

AI Process Automation Engineer

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Personal Statement

Software Engineering graduate with hands-on experience in AI-powered automation, LLM-integrated workflows, document processing pipelines, and full-stack development. Built intelligent multi-step agentic workflows using n8n and DeepSeek with Gmail triggers, file processing, and Google Sheets integration. Proficient in Python, REST APIs, and ML frameworks, with a strong foundation in data pipelines, classification systems, and event-driven architectures. Eager to apply these skills to automate complex, document-intensive workflows in regulated environments.

Technical Skills

AI & Automation: n8n, AI Agents (Tools Agent), LLM APIs (DeepSeek, OpenAI), prompt engineering, agentic workflows
ML & Data: Python, scikit-learn, OpenCV, CNN, LSTM, NLP embeddings, TensorFlow, Pandas, Jupyter
Backend & APIs: Node.js, Express.js, REST APIs, webhooks, JWT authentication, MongoDB, MySQL, Socket.IO
Frontend: React.js, TypeScript, JavaScript (ES6+), HTML5, CSS3
Tools & DevOps: Git, Docker, GitHub, CI/CD, Postman, VS Code, Google Sheets API, Gmail API

Education

National University of Science and Technology (NUST)

Sept. 2022 – May 2026

Bachelor of Software Engineering – CGPA: 3.36

MCS, Rawalpindi

Experience

Frontend Engineer Intern

Jun 2025 – Aug 2025

Kodify

Onsite

- Integrated and optimized multiple **REST APIs**, working directly with backend services to manage data flows, request validation, and event-driven interactions.
- Built reusable React.js and TypeScript components in an Agile team, participating in code reviews and structured development workflows.

Junior Webflow Developer

Nov 2025 – Apr 2026

Kreativ Ally

Remote

- Delivered client projects independently in a fully remote environment with clear communication, structured documentation, and reliable execution against deadlines.

Projects

AI Email Agent with n8n and DeepSeek | *n8n, DeepSeek LLM, Gmail API, Google Sheets*

- Built a fully automated **agentic workflow** triggered by incoming Gmail messages, using an AI Tools Agent powered by **DeepSeek** to process, reason, and take actions autonomously.
- Agent reads and writes files to disk, logs structured data to **Google Sheets**, and sends automated Gmail responses — demonstrating a complete trigger, perception, reasoning, and action pipeline.
- Implemented multi-node **error handling** and conditional routing to ensure reliable execution and graceful failure management, directly analogous to exception-handling in document processing workflows.

Cell Classification using ML & Image Processing | *Python, OpenCV, scikit-learn*

- Built an end-to-end **document processing and classification pipeline** using Python and OpenCV extracting features from image data, applying preprocessing, and classifying outputs with Random Forest, achieving **89.35% accuracy**.
- Demonstrates core competency in building automated data extraction, validation, and classification systems applicable to legal document processing pipelines.

Deep Threat: CNN-LSTM Predictive Model (*Co-authored Research, Unpublished*)

- Co-authored a deep learning research paper applying **NLP-based embeddings and CNN-LSTM models** to classify and predict patterns in structured text data directly relevant to LLM-based document classification and triage systems.

Virtual Open House Platform | *React.js, Node.js, Express.js, MongoDB, Socket.IO*

- Built a full-stack platform with **role-based access control**, REST APIs, JWT authentication, real-time communication, and an **AI-powered chatbot** demonstrating end-to-end system design across complex multi-user workflows.

Real-time Chat Application | *Node.js, Express.js, Socket.IO, MongoDB*

- Designed the complete backend including REST APIs, **event-driven architecture** via Socket.IO, JWT authentication, and MongoDB schema demonstrating strong understanding of scalable, real-time system design.