

CONTACT

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LANGUAGES

German	B2
English	C1
Hindi	native

SKILLS

AI & LLM

AI agents & agentic workflows · LLM integration (OpenAI, Azure OpenAI, Claude, Groq/Llama) · RAG & vector databases · knowledge graphs · MCP · LangChain / LangGraph · prompt engineering · structured outputs (JSON Schema, Zod) · voice AI (fonio.ai, Whisper) · LibreChat

Automation & Integration

n8n · workflow / process automation · REST APIs · webhooks · OAuth 2.0 · Microsoft Graph · CAPMO, Moco, ClickUp APIs

Software Engineering

Python · FastAPI · TypeScript · JavaScript · SQL · C++ · React · Next.js · Node.js · PostgreSQL · Supabase · Prisma · MongoDB · PWA / offline-first · i18n

DevOps & Cloud

Git / GitHub · CI/CD (GitHub Actions) · code review · testing (Vitest) · Docker / Compose · Linux · Windows Server · Traefik / IIS · Azure · Cloudflare Workers · Vercel

Data & ML

Pandas · NumPy · OpenCV · Matplotlib / Seaborn · deep learning (CNNs) · computer vision · NLP · explainable AI

Ways of working

Agile (2-week sprints) · customer workshops & demos · spec-driven development with AI coding agents · privacy by design (GDPR) · runbooks

SYED AAYAN AHMED

AI & Automation Engineer

B.Sc. Computer Science & Artificial Intelligence · graduating 02/2027

PROFILE

AI and automation engineer with more than a year of hands-on production work at an AI consultancy. I build **Generative AI** systems that turn unstructured input (calls, emails, documents) into structured data: **agentic LLM workflows, RAG and n8n process automations**, plus the **full-stack TypeScript apps** around them. I take projects from customer requirements through CI/CD to cloud or on-premise deployment. I have delivered voice-AI reporting, email-to-ticket automation and an on-premise enterprise AI platform for construction and SME clients. I am looking for a full-time role as a Junior AI, Automation or Forward Deployed Engineer.

EXPERIENCE

Working Student – AI Engineering & Automation

08/2026 – present

Teamworks AI (Teamworks GmbH), Friedberg

- Building an **on-premise enterprise AI platform** for a construction company on Windows Server 2022: LibreChat with **Azure OpenAI (EU region)**, a MongoDB replica set, Windows services that survive reboots, and TLS. I own it end to end, from effort estimate and test plan to customer demo.
- Implemented **per-user token budgets** with repeatable acceptance tests, **Azure cost alerts** and a reverse proxy that keeps **SSE streaming** working. Now adding **Active Directory (LDAP) sign-in** with no stored passwords.
- Repo owner of **Herbie**, a bilingual internal HR portal (**Next.js, TypeScript, Prisma, PostgreSQL**). I reviewed and merged **40+ pull requests** in a **spec-driven workflow** (GitHub Spec Kit) that uses **AI coding agents**.
- Shipped Herbie's **Docker deployment** on a VPS (Traefik, Let's Encrypt), a **GitHub Actions CI** pipeline (lint, type-check, Vitest), and integrations with the **Moco** (time tracking, vacation sync) and **ClickUp** APIs and the **Dust** AI-agent platform.

Intern – Software Development & AI Automation

11/2025 – 05/2026

Teamworks AI (Teamworks GmbH), Friedberg

- Lead front-end engineer on **Bautagesbericht Pro**, an offline-first construction daily-report **PWA** (React, TypeScript, Supabase/PostgreSQL, Edge Functions). It has ~15k lines of TypeScript, **7 languages** including RTL Arabic, and 3 user roles enforced with row-level security.
- Built a **voice-AI reporting channel**: foremen talk to a **fonio.ai** phone agent, and an Edge Function turns the call transcript into a draft report using **OpenAI JSON-schema extraction**, which a foreman then approves (**human-in-the-loop**). This cut end-of-day reporting from ~15 to **4–6 minutes**.
- Shipped **4 production n8n workflows** connecting **Microsoft Graph (Outlook)**, the **CAPMO** REST API, SerpAPI and Google Maps. They include an idempotent email-to-ticket automation and an **LLM recruiting pipeline** that turns job descriptions into ranked candidate shortlists.
- Made LLM extraction reliable in production with **structured output parsers**, retries and dead-letter handling: **zero JSON parse failures** across several thousand runs.
- Set up **Git/GitHub CI/CD**: feature branches, Conventional Commits, and PR pipelines running ESLint, type checks and Vitest. Deployed to Vercel, Cloudflare and Docker on Linux, and added run-level **observability** (Supabase audit table, Metabase).

Data Annotator

09/2024 – 07/2025

Gini GmbH

- Created and reviewed **10,000+ annotations** of financial documents and visual data used to train **document-AI models**.
- Worked with cross-functional teams to refine annotation guidelines and workflows, which made the data more consistent and higher in quality.

PROJECTS

GEO Tune-Up – LLM citation analysis

TypeScript · React · Cloudflare Workers · multi-LLM

A research tool that measures whether **GPT-4o, Claude, Gemini and Perplexity** cite a given web page. It generates a set of prompts, sends them to every model in parallel, detects citations, scores the page on 4 dimensions and suggests rewrites (**Generative Engine Optimization**).

Company Memory – knowledge graph (in progress)

Python · Graphiti · FalkorDB · Azure OpenAI · Docker

A **temporal knowledge graph** built from weekly developer meeting transcripts, for answering questions with dated facts and source quotes (a **GraphRAG** approach).

Explainable AI – LIME & saliency maps (university)

Python · CNN · LIME

Implemented **LIME** and occlusion-sensitivity saliency maps for an MNIST CNN classifier to visualize feature importance. Also built a telecom **churn-prediction** model (Pandas, feature engineering, Matplotlib/Seaborn).

EDUCATION

B.Sc. Computer Science & Artificial Intelligence 2022 – 02/2027 (expected)

Technische Hochschule Ingolstadt

Bachelor thesis: Data Spaces for Inter-Organizational Data Sharing: A Scoping Review of Claims and Evidence (supervisor: Prof. Cato)

B.Tech. Information Technology 2020 – 2021

Jamia Hamdard University, New Delhi

Grade 1.5 (German scale)

Senior Secondary School 2010 – 2020

Rd Rajpal Public School, New Delhi

Grade 1.5 (German scale)