

# MOHAMMED SOHEL PATWARI

## AI ENGINEER | FULL STACK LLM CONSULTANT

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### PROFESSIONAL SUMMARY

AI Engineer with hands-on experience designing, building, and deploying production-grade AI systems, including RAG (Retrieval-Augmented Generation) pipelines, agentic AI security tooling, workflow automation (n8n, Zapier, Make.com, Emergent), browser automation and web scraping (Playwright, Apify), and LLM evaluation frameworks. Proficient in Python, LangChain/LangGraph, vector databases, and backend architecture (FastAPI), with a track record of shipping reliable, scalable AI and automation solutions for clients. Currently working as a Full Stack LLM Consultant, building automation-first platform architecture and LLM-powered, no-code/low-code workflow automation.

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### TECHNICAL SKILLS

- **Languages & Data Tools:** Python, Pandas, NumPy, SQL, LangChain, LangGraph.
- **AI Engineering:** RAG (Retrieval-Augmented Generation) Pipelines, Large Language Models (LLMs), Agentic AI, Natural Language Processing (NLP), Vector Embeddings, ChromaDB, OpenAI API, Prompt Engineering, LLM Evaluation, Node.js.
- **Automation & Workflow:** n8n, Zapier, Make.com, Emergent, Workflow Automation, No-Code/Low-Code Automation, CI/CD Pipelines.
- **Browser Automation & Web Scraping:** Playwright, Apify, Puppeteer-style Scraping, Headless Browser Automation, Data Extraction Pipelines.
- **Backend Architecture:** FastAPI, REST API, WebSockets, Microservices.
- **Databases & Caching:** PostgreSQL, MongoDB, Redis.
- **DevOps & Tools:** Github, Docker, Vercel, Claude Code, Codex, Inngest.

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### EXPERIENCE

#### Full Stack LLM Consultant | | *M0 Mumbai, India • Remote*

Feb 2026 – Present

- Architected and scaled automation-first backend infrastructure (Node.js) powering platform operations.
- Built LLM-powered workflow automation pipelines using n8n, Zapier, and Make.com to streamline ICP (Ideal Customer Profile) qualification and lead-routing processes, reducing manual effort across platform operations.
- Defined engineering standards and best practices for automation workflows, improving code quality, maintainability, and scalability.
- Ensured system reliability through unit and end-to-end testing across automation and backend systems, including Playwright-based automated testing.

#### Founder | | *Arise to Ascend Mumbai, India*

March 2025 – Jan 2026

- **Web Development & Automation:** Architected and deployed high-performance websites and AI-driven automation pipelines for healthcare and DeFi clients, applying LLM-powered workflows (n8n, Zapier, Emergent) to streamline digital operations and reduce manual effort.
- **API Integration & Data Routing:** Engineered secure REST API integrations using Node.js, connecting frontend applications to external databases, third-party services, and client-facing dashboards.
- **Infrastructure & CI/CD:** Implemented automated CI/CD pipelines using GitHub Actions, improving deployment consistency and release velocity.

#### AI Engineer | | *ArSo DigiTech Mumbai, India*

Built and deployed websites integrated with n8n-based automation workflows, supporting ad-campaign management, lead routing, and content publishing for marketing and healthcare clients.

- Automated repetitive digital-operations tasks using n8n, Zapier, and REST API integrations, cutting manual overhead across client ad and workflow pipelines.
- Worked with agency leadership to translate client requirements into automated, production-ready website and workflow solutions.

## CORE ENGINEERING PROJECTS

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### RAGWatch: Model Regression & Forensics System [GitHub](#)

- Built a CI/CD-integrated pipeline that continuously regression-tests RAG systems against a golden benchmark dataset, automatically catching silent quality drops before they reach production.
- Designed an LLM-as-a-judge forensics engine that auto-diagnoses failures into root-cause categories (retrieval miss, hallucination, etc.), replacing slow manual debugging with fast, targeted fixes.
- Architected the evaluation framework to support repeatable, version-over-version RAG quality comparisons, giving teams an early-warning system for regressions before deployment.

### MahaFund Brief — Agentic AI Real Estate Due-Diligence Platform

- Agentic AI platform delivered under Arise To Ascend that orchestrates a multi-agent LangGraph pipeline — scraping India's MahaRERA government portal with Playwright browser automation and Apify actors (solving CAPTCHAs via LLM vision), extracting financial data from scanned PDFs with Gemini multimodal vision, and cross-referencing three independent market-data sources to produce an investor-ready funding-eligibility report in under two minutes.
- Built and integrated LLM-generated JSON workflow configurations into the platform's n8n automation layer, resolving a workflow integration issue in the automated reporting pipeline.

### MCP Agent Action Gateway — Defense-in-Depth Security for AI Agents

- Built a four-layer MCP security gateway — manifest-poisoning detection, rug-pull diffing, kill-chain sequence detection, canary tripwires — aligned to CISA's 2026 agentic AI guidance and OWASP's Agentic Top 10.
- Measured per-layer detection recall against a 20+ case adversarial test suite, with tamper-evident audit logging and human-approval escalation for high-impact calls.

## ACHIEVEMENTS

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- **CSI Chairperson**, Shri Bhausaheb Vartak Degree College — led the Computer Society of India student chapter, organizing technical events and driving student engagement in AI/tech initiatives.
- **Runner-Up, HackVision Hackathon** — placed 2nd for building an innovative AI-driven solution under timeboxed hackathon constraints.

## EDUCATION

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University of Mumbai

2023 – 2026

B.Sc. Information Technology.

Shri Bhausaheb Vartak Degree College, Mumbai