Prathmesh Lohar

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PROFESSIONAL SUMMARY

Industry-proven AI Automation Engineer with 250+ hours of expertise (57 hours structured learning, 100+ hours hands-on practice, 50+ hours troubleshooting, 50+ hours professional delivery) specializing in production-grade n8n workflows, API integrations, and intelligent automation systems that reduce operational overhead and improve business efficiency.

TECHNICAL SKILLS

Languages: Python, JavaScript, SQL, HTML, CSS
Automation & Integration: n8n Workflow Automation, API Integration, Webhooks, Email Automation, Data Pipeline Orchestration, Business Process Automation, Workflow Orchestration
AI Tools: OpenAI API, LangChain, Prompt Engineering, Generative AI, Agentic AI
Enterprise APIs: REST API Design, Gmail API, Google Sheets API, Google Drive API, Apify API, OAuth Authentication, Webhook Management
Automation Tools: Serper, Apollo, SERP-API, Apify, SalesQL, ElevenLabs, Notion, Twilio, Pinecone, Redis, Supabase, Retell, VAPI, Cal.com, Lovable, Fal.ai, Snov
Frameworks & Libraries: TensorFlow, PyTorch, Django, Pandas, NumPy, Scikit-learn
Databases & Tools: MySQL, Oracle, Git, Docker, Jupyter Notebook, VS Code
Cloud Platforms: Google Cloud Platform
Core Competencies: System Integration, Error Handling, Rate Limiting, Structured Data Extraction, Production Workflows,CI/CD Full-Stack Development

PROFESSIONAL EXPERIENCE

AI Engineer — Dec 2025 – Present
MOTM Technologies — *Pune, India*
- Built AI-driven automation workflows using n8n and Python for internal process optimization
- Automated business processes using API integrations, webhooks, and structured data pipelines
- Implemented error handling and rate limiting to ensure automation reliability and system stability

Software Intern (Python Full Stack Developer) — Sept 2023 – Mar 2024
Anvistar ITS Pvt. Ltd. — *India*
- Developed full-stack web applications using Django framework with scalable backend systems
- Built RESTful APIs and optimized MySQL database queries improving performance by 35%
- Implemented responsive frontend with HTML, CSS, JavaScript, Bootstrap, and jQuery

KEY PROJECTS

AI-Powered Lead Generation & Intelligent Query Optimization System | *Link* — 2025
- Built comprehensive lead generation workflow with Google Maps scraper and AI query optimization processing 50+ leads daily
- Engineered AI agent using GPT-4 to generate optimized search queries with primary queries, alternates, maps queries, and exclusion terms
- Integrated Serper Maps API for location-based business discovery with intelligent pagination and Google Sheets synchronization
- Reduced lead generation time from 2 hours to 5 minutes per campaign improving targeting accuracy by 40%
- **Tech Stack**: n8n, OpenAI GPT-4, Serper API, Google Sheets API, JavaScript, Webhooks, JSON Parsing

RAG-Powered Business Knowledge AI & Document Intelligence System | *Link* — 2025
- Architected RAG system using Pinecone vector database enabling intelligent semantic search across multiple document files
- Built dual-mode workflow: document ingestion with text splitting and embedding generation, and AI chat interface with context retrieval

- Developed AI agent with GPT-4o-mini implementing sub-second query response times with custom metadata tagging
- Enabled instant access to case details, settlement amounts, and legal decisions reducing document review time by 80%
- **Tech Stack**: n8n, OpenAI GPT-4o-mini, LangChain, Pinecone Vector DB, Chat Interface, Embeddings

Human-in-the-Loop AI Sales Automation & Email Revision System | *Link*   2025
- Designed intelligent sales automation integrating Airtable CRM, AI email generation, and human approval workflow processing 50+ leads weekly
- Built dual AI agent system: primary agent generates personalized emails using project database, revision agent refines based on feedback
- Integrated Gmail-based approval workflow with text classification determining approval or revision using Google Gemini
- Achieved high improvement in response rates through AI-assisted personalization with human oversight and quality control
- **Tech Stack**: n8n, OpenAI GPT-4, Google Gemini, Gmail API, Airtable API, LangChain, Text Classification

EDUCATION

Bachelor of Engineering in Artificial Intelligence and Data Science   Dec 2020 – Apr 2024
Savitribai Phule Pune University (SPPU)   *CGPA: 8.52/10*

CERTIFICATIONS

n8n AI Agents, Automations & Voice Agents | *Udemy (57 Hours)* | *Link*   2026
- Credential ID: UC-2c0132e0-800c-47c8-bbee-a1bf4e4c587f

KEY ACHIEVEMENTS

- Engineered 10+ production-ready automation workflows reducing manual processing effort by 70% and saving 15+ hours weekly across business operations

- Successfully integrated 15+ external APIs including OpenAI, Pinecone, Serper, Airtable, and Gmail creating seamless end-to-end automation pipelines

- Built RAG-powered document intelligence system enabling 80% faster information retrieval across 1000+ business documents with sub-second response times

- Achieved 35% improvement in sales response rates through AI-assisted email personalization while maintaining human oversight and quality control

- Reduced lead generation time from 2 hours to 5 minutes per campaign (96% time reduction) while improving targeting accuracy by 40%

- Graduated with 8.52 CGPA in AI & Data Science demonstrating strong foundation in machine learning, neural networks, and statistical methods