

Namit Jain

namitjain0620@gmail.com • (+61) 473 130 920 • Melbourne, VIC, Australia (Open to Relocate)
linkedin.com/in/namit-jain123 • github.com/namitjain123 • **Portfolio:** namitjain.dev

Summary

Software developer and recent Master of Data Science graduate building secure, AI-enabled full-stack systems on Microsoft Azure. Shipped a production research platform end-to-end at Australian Catholic University and a genAI RAG chatbot searching 100+ documents at DBST Solution. Supported production systems for 5,000+ users at HabileLabs, with a strong focus on agentic AI, RAG pipelines, and clear, well-tested code within agile, cross-functional teams.

Experience

Software Developer Intern

Mar 2026 – Present

Australian Catholic University

Sydney, Australia

- Shipped secure, full-stack features end-to-end (spec to production) on Microsoft Azure using React and FastAPI, powering a multi-tenant research platform that helps 100+ parents manage adolescents' online safety
- Designed REST APIs backed by Azure-hosted PostgreSQL, powering structured user workflows (consent → questionnaire → episodes) and reliable progress tracking
- Implemented access-control logic (episode unlocking, class-based flow) and automated reminders for 7+ day inactivity, lifting engagement and completions
- Shipped features rapidly within an agile, cross-functional team, using code reviews and AI coding assistants while prioritising security, privacy, and clear documentation

AI Engineer Intern

Aug 2025 – Feb 2026

DBST Solution

Melbourne, Australia

- Built a genAI RAG chatbot for PDF Q&A (FastAPI, Gradio, Docker), enabling search across 100+ documents
- Built a PyMuPDF + SentenceTransformers pipeline, cutting document retrieval time to seconds
- Improved retrieval accuracy via ChromaDB, hybrid search, and reranking techniques
- Integrated an LLM for real-time, context-aware responses; completed hands-on training in agentic AI and RAG system design

Machine Learning Intern

Mar 2025 – Jun 2025

InnovAIte

Melbourne, Australia

- Built an end-to-end LLM evaluation pipeline (Python, Hugging Face Transformers, PyTorch) benchmarking Mistral-7B-Instruct across two NLP tasks over a standardized 5-domain dataset
- Automated prompt construction, robust JSON parsing, and metric aggregation to JSONL/CSV reports; delivered a data-driven go/no-go recommendation from measured accuracy and quality scores
- Authored technical research comparing tokenization strategies, API frameworks, and GPU cloud platforms to inform architecture and infrastructure decisions

Associate Software Engineer

Aug 2023 – Nov 2024

HabileLabs Pvt. Ltd.

Jaipur, Rajasthan

- Supported business systems serving 5,000+ users, triaging issues and shipping reliable fixes
- Managed production deployments and incident resolution, keeping application releases stable across platforms
- Built real-time IoT integrations via minute-level heartbeat APIs for employee and device tracking
- Automated backend jobs and optimized SQL queries, improving system performance and reliability

Projects

Enterprise Agentic RAG Pipeline (May–Jun 2026)

GitHub

LangGraph, Gemini, Qdrant, FlashRank, NeMo Guardrails, Portkey, Logfire, LangSmith

- Built a production-grade agentic RAG system on LangGraph (planner–retriever–responder graph), routing technical queries through Gemini embeddings, Qdrant vector search, and FlashRank reranking while conversational queries bypass retrieval
- Hardened for production with NeMo Guardrails blocking jailbreak and injection inputs, and a Portkey LLM gateway providing automatic failover across keys
- Deployed with full trace observability through Logfire and LangSmith for reliable, monitored operation

AutoGen-MCP Notion Workspace Agent (Jul–Oct 2025)

GitHub

Python, AutoGen, Model Context Protocol (MCP), Flask, Ngrok

- Built an AutoGen multi-agent system integrating the Model Context Protocol (MCP) for Notion API automation, with dynamic tool discovery and registration
- Architected an async multi-agent framework with conversation streaming and tool reflection
- Deployed a production system via a Flask REST API and ngrok tunneling, supporting real-time workspace operations through a natural-language interface

Workflow Automation Platform (n8n) (Mar–Apr 2026)

GitHub

n8n, Gemini 2.5 Flash, GPT-4, Veo3-fast, Telegram API

- Built an end-to-end n8n workflow orchestrating Telegram ingest, Gemini 2.5 Flash image editing, GPT-4 intent parsing, and Veo3-fast video generation, cutting manual asset creation from ~2 hours to under 3 minutes
- Added human-in-the-loop approval and re-edit loops for controlled, production-quality content generation
- Engineered a 20+ node pipeline (async polling, conditional routing, JSON parsing, retries, binary/Base64/URL transformations) for stable, scalable execution

Role-Based Task Management System (2025)

GitHub

FastAPI, Jinja2, PostgreSQL (Supabase), SQLAlchemy, JWT, Pytest, Docker

- Built a full-stack app (FastAPI, Jinja2, PostgreSQL/Supabase via SQLAlchemy), implementing full CRUD operations within a modular, router-based architecture
- Implemented JWT authentication with cookie-based sessions and role-based access control (user/admin) to protect routes and permissions
- Wrote unit and integration tests with Pytest; containerized the app with Docker and docker-compose for reproducible deployments

Education

Master of Data Science (AI & Machine Learning)

June 2026

Deakin UniversityMelbourne, Australia · WAM: 78

- Relevant units: Machine Learning, Deep Learning, Statistical Data Analysis, Mathematics for AI, Web Technologies & Development, Object Oriented Development, Database Fundamentals

Bachelor of Engineering

2019 – 2023

Malaviya National Institute of Technology (NIT) JaipurIndia · CGPA: 7.2

- Relevant units: Data Structures & Algorithms, OOP, Introduction to Programming, Database Management Systems

Skills

Programming & Frameworks: Python, SQL, React, FastAPI

Cloud: Microsoft Azure, Docker, Vercel, CI/CD (GitHub Actions), Azure OpenAI

AI Automation & Agentic Systems: LangChain, LangGraph, AutoGen, MCP, RAG Pipelines, Vector DBs (ChromaDB, Qdrant), LLM Evaluation, n8n

Support & Collaboration: Git, Stakeholder Communication, Cross-functional Teamwork

Monitoring: Langsmith, RAGAS, Logfire

Blogs

- From Chains to Graphs to Multi-Agent Systems

Medium

- Compared modern AI orchestration frameworks and explored how sequential, graph-based, and multi-agent workflows enable scalable AI applications
- Building Safe AI Systems: A Practical Guide to Guardrails

Medium

- Explored AI guardrails, prompt validation, and layered safety mechanisms for building reliable and responsible AI systems