Shivam Goyal

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[LinkedIn](#) , [GitHub](#) , [Microsoft MVP Profile](#)

About Me

Microsoft Most Valuable Professional (MVP) and AI/Data Engineer specializing in data pipelines, telemetry, and back-end services. Software Engineer experience with AWS & Azure Cloud. Experienced in architecting solutions that bridge advanced AI models with enterprise applications, contributing to prominent open-source initiatives on Azure AI technologies, and helping skill thousands of developers globally.

Academic Expertise

The NorthCap University — Gurugram, Haryana
BTech Computer Science — 09/2021 - 05/2025
CGPA: 9.29

St. Xavier's Sr. Sec School — Haryana
Class 12th (CBSE) — 04/2020 - 07/2021
Total(%): 86.0

St. Xavier's Sr. Sec School — Haryana
Class 10th (CBSE) — 04/2018 - 05/2019
Total(%): 93.0

Professional Expertise

Ernst & Young | Senior Data Analyst — Bengaluru, Karnataka | July 2025 - Present

- Developed and maintained data pipelines and APIs using JavaScript/jQuery to integrate and process customer relationship management (CRM) data within Microsoft Power Apps.
- Created custom analytics and reporting dashboards on top of CRM Dataverse data, providing actionable insights for clients.
- Collaborated with product management and technical teams to implement and iterate on data solutions.

Ernst & Young | Data Analyst Intern — Bengaluru, Karnataka | June 2024 - July 2024

- Designed synthetic time-series pipelines for diverse clients (finance, energy, healthcare) by deploying Synthetify to address data scarcity, improving model reliability by 40%.
- Accelerated insights by ∼90% for clients by developing a Questro-based chatbot to provide contextual answers from any uploaded or pre-loaded documents, including PDFs, DOCX, and TXT files.

Skills & Certifications

- **Data & Cloud Services:** Azure Data Explorer, Azure App Services, Azure Functions, Azure Cosmos DB, Azure Service Bus, Azure OpenAI, Vercel, REST APIs
- **AI & Agentic Frameworks:** Azure AI Foundry, AutoGen, Semantic Kernel
- **Languages:** Python, JavaScript, Java

- **Frameworks/Tools:** FastAPI, Flask, Streamlit, Git, Docker, GitHub Actions
- **Databases:** MongoDB, CRM Dataverse
- **Certifications:**
  - Azure AI-900 Fundamentals ([Cert](#))
  - AWS Certified Cloud Practitioner ([Cert](#))

Projects Expertise

CodeNull | [Docs](#)   *Azure OpenAI, MongoDB, FastAPI*

- Created an AI-powered no-code platform with responsive frontend components and backend APIs so that students and startups could build websites rapidly.
- Developed SEO optimization and analytics features with FastAPI and MongoDB to deploy scalable, high-performing web applications.

Synthetify | [Docs](#)   *Scikit-learn, Pandas, Streamlit*

- Developed an ML application to generate synthetic time-series data, reducing analysis gaps by 40% across finance, energy, and healthcare sectors.
- Implemented statistical imputation algorithms to address data scarcity while ensuring privacy compliance.

Open Source & Community

MCP for Beginners | [Microsoft](#)   *Python, Azure AI Foundry, MCP* (2.8k stars, 563 forks)

- Built streamable HTTP + telemetry pipelines with MCP and SerpAPI, enabling real-time analytics and diagnostics across 2.8k+ developers.

AI Agents for Beginners | [Microsoft](#) *Python, Azure AI Foundry, Semantic Kernel* (26.4k stars, 7.1k forks)

- Developed agent-based telemetry and RAG systems integrating Event Hubs, Azure AI Search, and Cosmos DB to process diagnostics and recommendations so that 26.4k+ learners could build RAG-based multi-agent systems.
- Created an Expense Claim Analysis notebook with OCR/Email Agents and an MCP-integrated hackathon demo with GitHub/Hackathon/Events Agents so that learners could implement expense processing and project recommendation systems.

Community Impact

- Created training materials and published over 15+ [technical articles](#) on AI so that over 70,000+ learners could gain practical knowledge.
- Delivered the 2025 **Learn AI Agents Series** [Microsoft](#) as a featured speaker, achieving 5,600+ views and enabling professionals to build practical agentic AI solutions on Azure AI Foundry.