Shivang Kansal

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Professional Summary

Innovative and results-driven Artificial Intelligence Engineer with 2+ years of experience in AI, Automation, and DevOps. Spearheaded the development of an AI-driven policy generation solution, reducing manual efforts and enhancing operational efficiency by 67%. Proficient in building RAG-based models for compliance with NIST & ISO standards. Demonstrated success in prototyping AI-driven automation tools, such as a Talent Pool management Copilot. Adept at collaborating with cross-functional teams to deliver tailored solutions and mentoring junior team members on building AI models. Strong background in Python, C++, and AI.

Work Experience

Artificial Intelligence Engineer *Nov 2023 – May 2025*
Ernst & Young Global Delivery Services | EY GDS Delhi NCR

- Implemented AI & Automation solutions using Azure Open AI, Microsoft Power Platform and Python.
- Developed an application using Power Apps to streamline daily tasks, improving operational efficiency by 67%.
- Integrated Power Apps with data servers, facilitating seamless data storage and retrieval, reducing error rates by 78%.
- Created an end-to-end automated pipeline handling Data Office requests and providing processed data to the requester.
- Provided technical support and training to end-users, ensuring efficient utilization of AI solutions.
- Played a key role in enhancing AI and automation strategies, reducing 5000+ hours of manual work within the DO Team.
- Regularly updated and maintained automation scripts to accommodate evolving business needs.
- Proactively identified opportunities for further automation and AI implementation.

Software Development Engineer (SDE) *Aug 2023 – Nov 2023*
Freelancer.com Bangalore, Karnataka

- Developed a customized web portal for a client, integrating it with Azure Data Lake Storage for efficient data management, delivering data 58% faster.
- Created a personalized API using .NET and C to fetch and deliver required data, adding an additional security layer between data and consumers.
- Maintained ongoing communication with the client, providing regular updates, and incorporating feedback.
- The solution was highly scalable, allowing the client to extend the framework seamlessly across other departments, including Supply Chain Management.

DevOps Engineer *Jan 2023 – Aug 2023*
Anheuser-Busch InBev | ABInBev Bangalore, Karnataka

- Managed and stabilized data integration tools (Qlik Replicate and AecorSoft) across multiple regions. (EUR, AFR, China, MAZ, SAZ, USA, Korea).
- Led successful version migration of Qlik Replicate in EUR and China, reducing latency by 37% and improved UI.
- Faced with inconsistent data synchronization across regions, developed and implemented an automated monitoring solution using DataDog that proactively detected and resolved integration issues, ensuring seamless data flow across all regions.
- Resolved over 43% of requests of the team, significantly contributing to the Data Integration team's efficiency.

Certifications

Microsoft Certified: Azure Data Fundamentals | Microsoft DP-900 Certificate *Jan 2025*
Microsoft Certified: Power Platform Fundamentals | Microsoft PL-900 Certificate *Jan 2025*
Microsoft Certified: Security, Compliance, and Identity Fundamentals | Microsoft SC-900 Certificate *Dec 2024*
Microsoft Certified: Azure Fundamentals | Microsoft AZ-900 Certificate *Nov 2024*
Databricks Certified Generative AI Engineer Associate | Databricks Gen AI Engineer Certificate *Nov 2024*
Microsoft Certified: Azure AI Engineer Associate | Microsoft AI-102 Certificate *Oct 2024*
Microsoft Certified: Azure AI Fundamentals | Microsoft AI-900 Certificate *Oct 2024*
The Complete Quantum Computing Course | Udemy Course *Sept 2024*

Skills

Coding Languages: Python, C++
Tools: Azure Open AI Studio, Copilot Studio, Power Platform, Qlik Replicate, AecorSoft Data Integrator
Databases: Microsoft Dataverse, SharePoint, Azure Data Lake Storage, DataBricks
Cloud Tools: Microsoft Azure, Azure AI Studio, Microsoft Copilot Studio

Projects

SDLC.ai: AI-Powered SDLC Automation
Developed a scalable AI-driven solution to automate SDLC documentation, streamlining requirement gathering, feature definition, and test case generation. The system can handled dynamic data inputs from various departments and can be scaled across multiple projects. Addressed edge cases such as ambiguous or incomplete requirements by integrating intelligent context recognition. Improved documentation efficiency by 40%, reducing manual errors and ensuring consistency across large teams.
Technologies: Azure OpenAI API, Python, Azure Functions.

PPT GenAI: AI-Driven Presentation Generator
Created a robust web portal that generates fully formatted PowerPoint presentations, including content and images, by inputting a topic. The tool can be seamlessly scaled to handle multiple simultaneous requests and optimized image retrieval even under high-load scenarios. Edge cases such as low-quality data inputs will be managed through Azure AI content filters services. Tool can potentially reduce presentation creation time by 60%. Collaborative efforts included working with design and content teams to ensure high-quality outputs.
Technologies: Azure OpenAI, Python (Streamlit), Unsplash API.

Policy Pioneer: Compliance-Driven Policy Generator
Designed a highly scalable AI tool that automates 80% of manual policy drafting, ensuring compliance with international standards (ISO, NIST). The solution scaled to accommodate different policy requirements across departments and regions, addressing edge cases like conflicting regulations through rule-based filters. The system reduced compliance-related risks by dynamically adjusting policy templates. Collaborated with the Compliance & Cyber teams to ensure robustness and effectiveness.
Technologies: Azure OpenAI (RAG Model), Power App, Azure Functions, Python.

CodeDox: Automated Code Documentation Tool
Developed an AI-based solution to automatically generate detailed code documentation, scaling to support large codebases with varying complexity. The system handled edge cases such as poorly written or undocumented code through advanced code comprehension model. Reduced documentation time by 50%, boosting team productivity and ensuring consistency in documentation standards across teams. Collaborated closely with developers to refine the solution for real-world use cases.
Technologies: Azure OpenAI, Azure Function, Python, Microsoft Word (Developer integration).

Py-Code Corrector: AI-Assisted Python Code Optimizer
Built a scalable tool to correct Python code, enhance syntax, and resolve bugs, handling large and complex codebases while delivering detailed explanations for each correction. The solution addressed edge cases such as ambiguous or incorrect logic with advanced error-detection model, reducing Python debugging time by 40%. Worked with QA teams to ensure the robustness and quality of the codebase.
Technologies: Azure OpenAI, Azure Function, Python.

Service Desk App: Request Management System
Developed a scalable Power Apps solution for managing service requests, with real-time tracking and integration with Copilot chatbot. The app is capable of handling large-scale user requests efficiently and provide real-time visibility, reducing request processing time by 25%. Managed edge cases such as system overloads through real-time monitoring and implemented automated alerts to prevent downtime. Collaborated with IT and operations teams to ensure seamless integration and ongoing scalability.
Technologies: Power Apps, DataVerse, Copilot Studio.

Education

Vellore Institute Of Technology *July 2019 – May 2023*
Bachelor of Technology - Computer Science Engineering - CGPA: 8.3 Bhopal, India

Shiv Jyoti International School Kota *June 2018 – May 2019*
Higher Secondary - Physics, Chemistry & Maths - CGPA: 7.1 Kota, India