

AJAY CK

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SKILLS

Languages :	Python, SQL, C#, Java
Technologies and Frameworks :	Chatbot development, Generative AI, NLP, ML, Langchain, Flask, ASP.NET, Azure AI Services, Azure AI Agent, Dialogflow CX, Playbooks, Tableau
Databases :	PostgreSQL, MySQL, MsSql, Azure Cosmos DB
Integrations :	OpenAI API, Azure OpenAI API, Microsoft Teams, Microsoft Graph API, OpenAPI, HuggingFace
Tools :	Microsoft Bot Framework, Dialogflow, RASA, Postman, Git, Azure AI Studio, Azure AI Foundry, Digital Ocean

EXPERIENCE

Stamens Software Pvt. Ltd

Noida, UP

AI Solutions Engineer

July 2025 - Present

- Designed and developed intelligent chatbots, automation APIs, and secure data processing systems, leveraging Azure OpenAI, Cognitive Search, Azure AI Agents, and Retrieval-Augmented Generation (RAG) for context-aware AI solutions and business workflow optimization.
- Gained comprehensive hands-on experience with Azure AI services, managing the creation, configuration, and deployment of all Azure resources to ensure scalability and production-grade performance.
- Deployed pre-trained models from HuggingFace to Azure and Digital Ocean platforms, optimizing inference performance and implementing scalable deployment pipelines for production environments.
- Created AI-powered virtual try-on systems and cloth customization tools utilizing image generation models and natural language processing, enabling users to visualize and customize products through conversational interfaces.
- Developed advanced conversational AI solutions using Dialogflow CX and Playbooks, integrating LLM capabilities for enhanced user interactions and automated business process management.

Botangelos

Kozikode, KL

Conversational AI Engineer

August 2024 - July 2025

- Led and managed the end-to-end development of AI-driven solutions, overseeing client interaction, project planning, design, development, deployment, and resource management.
- Independently handled resource provisioning, backend development, API integrations, and infrastructure scaling, ensuring seamless execution and deployment.
- Provided technical mentorship on AI development, API design, and Conversational AI, guiding best practices for scalable and efficient AI-driven solutions.
- Led and mentored a team of junior developers, fostering a collaborative environment and ensuring the successful implementation of complex backend services and integrations.
- Demonstrated strong leadership and problem-solving skills across the entire project lifecycle, maintaining a hands-on approach while ensuring high-quality code development, smooth deployments, and optimal resource management.

Dewiride Tech. Pvt. Ltd

Jodhpur, RJ

Chatbot Developer

August 2022 - August 2024

- Developed and deployed personalized chatbots using DialogFlow, Rasa, Botpress, and Power Virtual Agent.
- Engineered and optimized conversational flows and rich content to enhance user engagement.
- Integrated chatbots with various systems and APIs, including OpenAI and Azure OpenAI APIs, ensuring seamless interoperability.
- Built Generative AI APIs using Azure OpenAI and Langchain, resulting in an improvement in content creation speed.
- Led end-to-end development projects, from client consultations to deployment, using Azure's full range of services and Azure DevOps for seamless CI/CD.

Argoid Analytics

Bangalore, KA

SDE Intern

Mar 2022 - July 2022

- Developed and optimized features for the Argoid search engine, enhancing search performance and efficiency.
- Designed and implemented REST APIs using Java integrating them with backend services built on Dropwizard.
- Built, maintained, and tested applications, ensuring reliability and functionality through Postman API testing.

Grroom

Machine Learning Intern

Mumbai, MH

July 2021 - Sep 2021

- Developed machine learning models, implemented the YOLO algorithm for object detection, and utilized web scraping for data collection.
- Collaborated on data preprocessing and feature engineering, optimizing datasets for improved model performance.
- Assisted in training and fine-tuning deep learning models, enhancing accuracy and efficiency in object detection tasks.

PROJECTS

E-commerce Support Bot with Dialogflow CX & Playbooks

- Developed an intelligent customer support chatbot using Dialogflow CX with Playbooks integration for automated workflow execution and LLM-powered natural language understanding.
- Implemented dynamic conversation flows handling order tracking, product recommendations, and issue resolution with seamless escalation to human agents when needed.

MeOpenAIAPI - Intelligent Chatbot API with Azure OpenAI & Semantic Search

- Developed an AI-powered chatbot API using ASP.NET Core, Azure OpenAI, and Azure Cognitive Search with secure data handling, PII removal, and multilingual support including language detection and translation.
- Optimized query processing with semantic search across FAQ, User Guide, and Signposting indexes, maintaining chat history for context-aware responses and enhanced conversational flow.

Invoice Processing API using Fine-Tuned Azure OpenAI & Read API

- Fine-tuned Azure OpenAI on 1,000 invoice templates and developed an automated API that extracts text using Azure Read API and converts it into structured data for financial and inventory management.

AI-Powered Task Automation API using Azure OpenAI Assistant API

- Built an intent-based automation API using Azure OpenAI Assistant API for Freshdesk ticket creation, meeting scheduling, and invoice processing with AI-powered decision-making and workflow optimization.

Database Query Bot using Azure OpenAI & AI Search

- Developed an AI-powered chatbot using Azure Bot Service enabling natural language database querying with secure SQL execution, integrated Azure OpenAI for query understanding and Azure AI Search for schema indexing.
- Implemented Azure Key Vault for secure credential storage and formatted responses as Adaptive Cards with CSV export functionality.

Digital Human Bot with 3D Modeling and Machine Learning

- Designed conversational flows using Bot Framework Composer with real-time voice interactions via Azure Bot Service, implementing speech-to-text and text-to-speech pipeline with realistic lip-sync animation.

IT Support Chatbot Powered by Azure AI Agent & RAG

- Developed an AI-powered IT support chatbot using Azure AI Agent with intent recognition for automated support ticket creation, leave tracking, and policy queries via Azure Search with seamless function execution.

RAG-Powered Document Intelligence Chatbot

- Developed a FastAPI-based chatbot integrating LangChain RAG pipeline, combining OCR (Tesseract), web scraping, and Google Gemini/Sentence Transformers for vector embedding and semantic document retrieval.
- Implemented smart agent logic to dynamically switch between memory, RAG search, and live scraping, delivering accurate answers from uploaded documents or URLs.

AI Dress Recommender System with Pinecone & Gemini

- Built a Flask-based intelligent fashion recommendation API integrating Gemini for embedding generation and Pinecone for similarity search, enabling accurate, scalable dress suggestions.
- Automated vector index initialization from MySQL product data and implemented centralized logging across modules for streamlined debugging and monitoring.

EDUCATION

Social Prachar

Data Science and AI

Hyderabad, TS

Dec 2020-June 2021

Tunchan Memorial Government College

Bachelor of Science(Physics)

Tirur, KL

2018 - 2021

CERTIFICATIONS

Azure AI-102 Certification