

# Rakshit Vyas

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## About Me

Pursued B.Tech in Computer Science. Passionate about programming and design. I enjoy applying my skills to my projects. I'm a keen learner. I'm a goal-oriented person who has a "Never-give-up" attitude. I'm a self-motivated personality who is sociable with all.

## Technical Skills

- **Programming:** Python
- **Cloud Technology:** Google Cloud, Microsoft Azure
- **Generative AI** – Prompt Engineering, LLMs, RAG, Data pre-processing, Hugging Face
- **Google Cloud Platform** – Cloud Vision, GenAI- Vertex AI, PALM2 models, Vertex AI Search and Conversation, LLM Models – Gemini (text & Image), Unicorn, Bison, MedLM
- **Microsoft Azure** – Azure OpenAI LLM Models – GPT-3.5-Turbo, GPT-4-Turbo, Azure Cognitive service, Azure AI Search
- **Undergoing trainings in Generative AI, LLM, Prompt designs** – GCP, DeepLearning.AI
- **API Design & Structuring**
- **Chatbot Development** - Microsoft Copilot Studio (PVA), Microsoft Power Automate
- **Machine Learning:** Data Pre-processing, Regression, and Classification. Libraries– **scikit-learn**
- **Web Development:** HTML-5, CSS-3, and JavaScript. Libraries including **BS-4**.
- **Databases:** I have implemented **SQL** database in my projects.

## Professional Experience –

### Cognizant –

- **Health Care Insurance Client Project (Ongoing) –**  
API Creation in **Azure Function**, API structuring and output designing. Creation of data store as **Azure AI Search** indexes and **Azure Storage**. Implementation of QnA using Azure AI Search service Coding implementation and logic in **Python**, **Prompt designing**, LLM Models - GPT 3.5 Turbo, GPT 4-32k, GPT 4 Turbo
- **Health Care POC Project –**
  - **UC3** – Appeal & Grievance assistant bot with three features. AnG request analyser, QnA and letter generation. Used Vertex AI Search & Conversation, GCP LLM Models, MedLM Model, Created a bot using **Gradio** and deployed it on **Hugging Face**, **TFIDF** NLP technique for QnA.
  - **UC2** – Documents Amendments using LLMs based on user instructions. Worked as a GenAI Developer. Performed following tasks - Data Pre-processing, Prompt Designing/ Engineering, **Python** code for – Build several logic for the usecase, Document manipulation using Python-docx library, Usage of Google LLMs- (**Gemini Pro**, Text-Unicorn, Text-bison)
  - **UC1** – Creation of a Chatbot for customers to get their Medical insurance related queries answered. Worked as a GenAI Developer. Performed following tasks - Data Pre-processing, Prompt Designing/ Engineering, **Python** code for - Creation of Embedding (textembeddings-gecko model), Calling of the chat model (chat-bison).
- **Elevator Client Project –**  
Created a Chatbot for Elevator mechanics to get there queries answered by **Generative AI** approach using an **OpenAI** (GPT-3.5 Turbo) model. Worked on chatbot development using

**Microsoft Power Virtual Agents, Power Automate.** Integrated the chatbot with client's Teams channel. Led several client demo during presentation on project status and project handoff to client (including client CTO).

- **Life Science Client Project –**

Created an Automated flow for the creation of a Reconciliation report from the data files to be downloaded from the client server by running a python script. Storing the files on SharePoint and sharing SharePoint location to BPO. Implemented using **Power Automate web and desktop version**. Later implemented same use case using Blue prism Automation Tool as client requirements changed.

- **EVA – ITSM Bot –**

Purpose of ITSM bot - Resolve IT related query. Bot is build using Microsoft Bot framework using C# .Net framework. Tools used - Visual studio, Bot Framework Emulator, SQL server, LUIS and QnA Maker. Worked on the flow of bot and created adaptive cards for user input, Implemented LUIS, sql-db in Bot.

## Certifications

- [Generative AI & Machine learning](#) Google Cloud Skills Boost Badges (Credly)
- Certified in [Python Programming](#) and Machine learning using Python [Coursera](#) and [Udemy](#)
- Google Badge – [Cloud Technical Series](#), [Applied AI Summit](#)
- Certified for Introduction to [Artificial Intelligence](#) and [IoT](#)
- Certified in Web Development which include [HTML](#), [CSS](#), [JS](#), [Advanced styling and Responsive Design](#).

## Achievements

- Received **2 Gold Awards** (Cognizant) - **Always striving never settling, Working as one.**
- Received **Sapphire Award** (Cognizant) - **Always striving, never settling**
- Received **Coral Award** (Cognizant) - **Creating conditions for everyone to thrive.**
- Earned Cognizant [AI For Leaders Foundation](#) Badge.
- Attended [Microsoft AI Classroom series](#).
- Got a Machine Learning by Python badge by [IBM](#)
- Represented school on Republic day at District level.

## Educational Qualifications

- **Bachelor of Technology in 2018-2022 (Computer Science Engineering)**  
LNCT Bhopal, RGPV University - 9.11 CGPA
- **12th Science from MP Board 2017-2018**  
Democratic Higher Secondary School - 87.2%
- **10th from CBSE Board 2015-2016**  
Carmel Convent Sr. Sec. School - 8.8 CGPA

**Interests** - Programming and Designs, Listening Songs, Sports – Cricket, Football, Table tennis