

DEEPA ANANTHAN AR

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LinkedIn — GitHub — Portfolio

Professional Summary

Recent B.Tech graduate in Artificial Intelligence and Data Science with hands-on experience in developing AI agents, intelligent automation solutions, and cloud-based applications through internship and academic projects. Skilled in **Python, SQL, Generative AI, LLMs, RAG, REST APIs, FastAPI, Microsoft Copilot Studio, Power Automate, Azure, and Microsoft Graph API**. Strong foundation in software development, AI-driven automation, API integration, and cloud technologies with a passion for building innovative AI applications.

Technical Skills

Programming: Python, SQL, C++, FastAPI, Flask, REST APIs, OOP, Data Structures & Algorithms

AI/ML: Generative AI, LLMs, RAG, NLP, Deep Learning, AI Agents, Prompt Engineering

Cloud: Azure, Copilot Studio, Power Automate, Microsoft Graph API, SharePoint, Azure AD Authentication

Tools: Git, GitHub, Power BI, IBM Watson, SharePoint Lists

Professional Experience

Microsoft Copilot & Automation Intern — Empathy Technologies

Feb 2026 – May 2026

- Developed AI-powered automation solutions using **Microsoft Copilot Studio, Python, and Power Automate** to streamline business processes.
- Built and integrated **AI Agents** leveraging **LLMs, Microsoft Graph API, and SharePoint** for automated RAID identification and tracking.
- Designed intelligent classification pipelines for processing data from **Outlook Emails, Microsoft Teams Chats**, and meeting communications.
- Implemented secure API integrations using **Azure AD Authentication** and collaborated within Agile teams on AI solution development and deployment.

Projects

RAID Tracking Automation using AI Agents — Python, LLMs, Graph API, Azure, SharePoint

- Developed an AI-driven system to identify and manage RAID (Risks, Assumptions, Issues, Dependencies) from organizational communications.
- Built AI agents using **Llama 3, GPT-5-mini, Microsoft Graph API, and SharePoint** for automated classification and centralized tracking.
- Integrated **Azure AD Authentication, Microsoft Graph API, and SharePoint Lists** to enable secure workflow automation.
- Improved RAID monitoring efficiency by approximately **70%** through intelligent automation and centralized tracking.

Financial Services Customer Churn Analysis — Python, SQL, Power BI

- Developed machine learning models using **Python** and **SQL** for customer churn prediction through feature engineering and model optimization.
- Achieved **82% prediction accuracy** and built interactive **Power BI** dashboards for customer retention insights and business decision-making.

Leave Management Agent — Copilot Studio, Power Automate, SharePoint

- Built a conversational AI agent using **Microsoft Copilot Studio, Power Automate, and SharePoint** for leave request automation and approval management.
- Enabled **100% digital leave tracking**, reducing manual effort and improving process transparency.

Education

B.Tech in Artificial Intelligence and Data Science, Nehru Institute of Engineering and Technology, Coimbatore

2022 – 2026

Relevant Coursework

Machine Learning, Deep Learning, Natural Language Processing, Database Management Systems, Data Structures & Algorithms, Software Engineering, Cloud Computing

Achievements & Certifications

- Winner – Splunk Hackathon (INR 17,000 Prize)
- Naukri Campus Young Turks 2025
- NCAT Rank 6423 among nationwide participants
- Certifications: Cisco Python Essentials, Microsoft Azure AI Fundamentals, AWS ML Foundations, IBM AI with Python