

ANIL KUMAR PEESA

Hyderabad , India | +91 7893316149 | [Email](#) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

EDUCATION

Vardhaman College of Engineering

Hyderabad, TS

B. Tech in ECE | CGPA - 9.5

Graduation Date: Jul 2021

TECHNICAL SKILLS

- **Programming Languages & Frameworks:** Python, FastAPI, Flask
- **Databases:** MongoDB, SQL
- **Cloud & Machine Learning:** Microsoft Azure, Azure Functions, Azure Blob Storage, Azure Key Vault, Azure OpenAI, Azure App Service, AWS Bedrock, GCP Vertex AI, NumPy, Pandas, DNN, CNN, Machine Learning, Streamlit
- **Tools & Technologies:** Pydantic, Docker, Postman, Pytest, Langchain

WORK EXPERIENCE

Accenture

Hyderabad, TS

AI/ML Computational Science Sr Analyst

Dec 2024 - Present

AI/ML Computational Science Analyst

Dec 2022 - Dec 2024

- Developed a backend application from scratch, optimizing user access to 20+ models across three cloud platforms (AWS, GCP, Azure) with customizable guardrails, ensuring a cloud-agnostic solution that improved access speed by 50% and reduced configuration time by 40%.
- Improved data integrity and streamlined code quality by implementing Pytest, which increased unit test coverage from 40% to 80%.
- Utilized Pydantic for secure request/response validation and integrated a cloud-agnostic secret management solution for secure key management across AWS, GCP, and Azure.
- Automated data storage using a script, reducing deployment time by 50% on new cloud instances, and enhancing system scalability.
- Efficiently decomposed complex features, delegated tasks, and conducted Scrum meetings to ensure the timely delivery of high-quality solutions using Agile methodology.
- Mentored junior developers and facilitated multiple knowledge transfer sessions as a Subject Matter Expert (SME), ensuring smooth onboarding and efficient project execution.

Technologies Used: Python, Pydantic, FastAPI, MongoDB, SQL, LLM, AWS Bedrock, GCP VertexAI, Azure OpenAI, Docker, Pytest, Postman

Application Development Associate

Sep 2021 - Dec 2022

- Developed an ML model for contract attribute extraction, reducing manual effort by 80%, saving 2 hours per contract, and processed over 100 contracts per day.
- Led the migration of 1000+ physical legacy contracts to a digital platform, utilizing Icertis AI technology to enhance data accuracy and streamlined workflows.
- Developed a chatbot with Azure Cognitive Services, improving issue resolution efficiency by 40% and achieving 90% accuracy in user query responses within the first month.

PROJECT EXPERIENCE

PDF Document QA - [link](#)

- Developed a PDF query system using Azure OpenAI, allowing dynamic queries with 90% accuracy in retrieving document-based answers, improving the user experience by 95%.
- Integrated advanced language models (GPT-3.5 Turbo, Text-DaVinci-001, Text-DaVinci-002) to enhance querying accuracy by 90%.
- Utilized Streamlit to create an intuitive frontend, allowing users to interact seamlessly with the PDF query system, improving user engagement by 95%.

- Deployed the solution to Azure App Service with Docker, reducing the deployment time by 50%.
 - Streamlined the document management process for users by allowing real-time content extraction.
- Technologies Used:** Python, Pydantic, FastAPI, LLM, Azure OpenAI, Docker, Design Principles

CERTIFICATIONS

- **Microsoft Certifications:** Microsoft Azure Administrator Associate, Azure Fundamentals, Azure Data Fundamentals, Power Platform Fundamentals, Security, Compliance, and Identity Fundamentals
- **Other Certifications:** NPTEL C Programming Certification, Python for Data Science

OTHER

Awards: ACE Award, Sparking Star Award

Interests: Playing Chess and outdoor games like Cricket

Languages: English, Hindi, Telugu