Narayanaswami b | AI Engineer

**Professional Summary:**

* Overall, 8+ years of experience in IT industry, including 5+ years as Data Scientist and 3+ years of experience with **GEN AI** services.
* Hands-on experience with design, develop, and deploy **machine learning** and **GEN AI** solutions using GCP Services.
* Experience in Machine learning techniques such as Supervised, Unsupervised, Classification, Regression, Deep Learning, Gen AI, etc.
* Proficient in frameworks like TensorFlow, keras, etc.
* Experience in implementing **CI/CD** pipelines using docker, Kubernetes.
* Experience in building ML pipelines using tools such as Kubeflow, TFX, MLflow, etc.
* Proficient in Large language models like Gemini, GPT
* Experience with **LLM** Frameworks like LangChain, LangGraph, ADK, Prompt engineering, RAG techniques, VectorDBs.
* Proficiency Design, develop, maintain ML **data** pipelines using GCP services such as BigQuery, Dataflow, Cloud Composer.
* Good Knowledge on SQL, ETL and Big data.
* Strong Analytical, interpersonal and communication skills.

# Google Cloud Certified Professional Machine Learning Engineer.

**Technical Expertise:**

* + Python, Data science, ML, Deep Learning, NLP, Tensorflow, Keras, PyTourch
  + Gemini, ChatGPT, LangChain, ADK, RAG, Google Cloud
  + Docker, Kubernetes, Terraform, Git, Kubeflow, MLOps, SQL, Tableau

**Work Experience:**

* Working as ML Engineer at Yash Technologies, Hyderabad since July 2020.
* Worked as Data analyst at Franklin Templeton, Hyderabad from Oct 2019 to April 2020.
* Worked as Tableau developer at Mahathi Software, Visakhapatnam from July 2017 to Sep 2019.

**Academic Qualifications:**

* BSC (Computer science) from Andhra University, Visakhapatnam.

# Project#06:

**Title :** Knowledge Assistant

**Client :** Financial Services, USA.

**Role :** GCP ML Engineer

**Description:**

The Client is an American Financial services Company. It offers financial products and services to individual and institutional customers.

The aim of project is to build and deploy scalable Gen AI and machine learning solutions on google cloud as per business requirements to enhance decision-making, operational efficiency and customer experience.

**Roles & Responsibilities:**

* Design, build and develop scalable Gen AI and ML solutions on Google Cloud.
* Design and develop Data pipelines for Gen AI using GCP services like BigQuery, Dataflow, Cloud Composer, etc.
* Implemented CI/CD pipelines for ML workflows with Vertex AI Pipelines/Kubeflow.
* Containerizing ML models using docker and deploy on Cloud Run, GKE, Vertex AI endpoints.
* Implement Model Observability (Performance monitoring, drift detection, dashboards, and alerts).

# Project#05:

**Title :** ED&A

**Client :** Insurance, USA.

**Role :** GCP ML Engineer

# Description:

The Client is an American insurance company. It provides Business insurance, Personnel insurance and Bond & speciality insurance services.

The aim of project is to build and deploy ML and Gen AI models on google cloud as per business requirements for the company to support data-driven business decision- making, process optimization, and automation.

# Roles & Responsibilities:

* Design, build and deploy scalable ML Gen AI solutions on Google Cloud.
* Designing and developing scalable data pipelines using BigQuery/Dataflow/Cloud composer.
* Implemented CI/CD pipelines for ML workflows with Cloud Build, Vertex AI Pipelines/Kubeflow.
* Containerizing ML models using docker and deploy on Cloud Run, GKE, Vertex AI endpoints
* Implement model monitoring, retraining, and performance Monitoring.
* Automate infrastructure provisioning using Terraform

# Project#04:

**Title :** DS S&R

**Client :** E-commerce, USA.

**Role :** ML Engineer

# Description:

The Client is an US-based e-commerce platform. It sells home goods and furniture products online.

The aim of project is to build and deploy scalable Machine learning solutions for the company to optimise the business process and serve customer better.

# Roles & Responsibilities:

* Design, build and develop scalable Machine learning solutions.
* Designing and developing data pipelines for ML workflows.
* Containerizing ML solutions and building CI/CD pipelines for ML workflows
* Implement model monitoring, retraining, and performance Monitoring.

# Project#03:

**Title :** Caterpillar

**Client :** Caterpillar, USA.

**Role :** Data scientist

# Description:

Caterpillar is an American Construction, mining and engineering equipment manufacturer.

The aim of project is to build Machine learning and predictive analytics to support data- driven business decision-making.

# Roles & Responsibilities:

* Design, build and develop scalable Machine learning solutions.
* Worked on predictive analytics and object detection solutions.
* Designing and developing data pipelines for ML workflows.
* Implement model monitoring, retraining, and performance Monitoring.

# Project#02:

**Title :** GBA Financials

**Client :** Franklin Templeton, USA.

**Role :** Data Analyst

# Description:

Franklin Templeton is a US based Assert Management Company. It Provides asset management services for Institutional, retail and High-Net-Worth clients.

The aim of project is to build an effective, interactive dashboards, reports and ML solutions for the company to help its leaders to track company performance and make better decisions.

# Roles & Responsibilities:

* Requirement gathering and analyzing the business requirements.
* Building various interactive dash boards and reports as per requirement.
* Combine data sources by using joins, union and data blending.
* Implementing Table calculations, calculated measures and LOD expressions.
* Creating the data visualization using charts like Bar charts, Line charts, Tree maps, Pie, Scatter, Donut chart etc.
* Used Trend lines and References to describe the data.
* Publishing Data sources, workbooks to Tableau Server.
* Worked on EDA, Customer segmentation and predictive sales models.

# Project#01:

**Title :** NCHS BI Reporting system & USNWR

**Client :** NCHS, USA.

**Role :** Tableau Developer

# Description:

Nicklaus Children’s Health System (NCHS) is the parent organisation of Nicklaus children’s Hospital, south Florida’s only licensed speciality hospital exclusively for children.

The aim of project is to build an effective reporting system for the client. The project involves creating various interactive dashboards and reports for the hospital and its individual departments.

# Roles & Responsibilities:

* Requirement gathering and analyzing the business requirements.
* Building various interactive dash boards and reports as per requirement.
* Combine data sources by using joins and data blending.
* Implementing Table calculations, calculated measures and LOD expressions.
* Implemented Actions to filter the data on dash board.
* Creating the data visualization using charts like Bar charts, Line charts, Area Charts, Heat maps, Pie, Maps, Scatter, etc.
* Used Trend lines and References to describe the data.
* Provisioning users and scheduling Extracts, subscriptions in Tableau server.
* Publishing Data sources, workbooks to Tableau Server.
* Worked on Exploratory data analysis with python.