Narotham Reddy

AI/ML Engineer | Data Scientist

AI/ML Engineer with 4+ years of experience designing and developing scalable AI features that turn data into practical, scalable solutions. I enjoy building AI systems that make difference in day-to-day decisions and improve operational efficiency.

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EXPERIENCE

AI/ML Engineer
Rugged Monitoring

10/2023 - Present   Hyderabad, India

- Led the development and deployment of an end-to-end micro service, integrating AI/ML services for scalable delivery.
- Designed and implemented a machine learning–based anomaly detection system for monitoring electrical assets.
- Developed a document intelligence pipeline to extract structured data and key entities from PDF documents using OCR and large language models (LLMs) reducing manual data entry time by 90% and improving accuracy.
- Built QueryGPT, a natural language interface for relational databases using OpenAI and LangChain, enabling users to interact with SQL databases conversationally.
- Trained and mentored a team of 8+ interns through technical training, successfully integrating them into the core engineering team.
- Deployed AI models and REST APIs using Flask, FastAPI and Azure ML Services, for scalable delivery.

Data Scientist
Accusaga Informatics Pvt Ltd

12/2021 – 09/2023   Hyderabad, India

- Worked on a product that included key analytical modules, such as Marketing Mix Modeling (MMM), A/B Testing, and Key Driver Analysis, to optimize marketing spend and enhance business metrics.
- Designed A/B testing frameworks to evaluate campaign performance optimize conversion rates and provide data-driven recommendations for improving campaign performance.
- Built Marketing Mix Models in Python to measure channel impact and maximize ROI.
- Performed key driver analysis to uncover factors influencing core business metrics.

Data Science Engineer
Pianalytix

07/2021 - 11/2021   Hyderabad, India

- Air Quality Prediction
- Key works: Data Scarping, Data Wrangling, and Data Analysis

Education

M.Tech – Artificial Intelligence and Machine Learning
BITS Pilani   *2024 – 2026*

B.Tech – Electronics and Communication Engineering
JNTUH   *2015 - 2019*

SKILLS

Programming Languages: Python, R, SQL

Machine Learning & Deep Learning: Scikit-learn, TensorFlow, PyTorch

Data Manipulation & Analysis: Pandas, NumPy, Dask

Data Visualization: Matplotlib, Plotly, Power BI, Tableau

Web & AI Frameworks: Flask, FastAPI, LangChain

NLP & Web Scraping: BeautifulSoup, NLTK, spaCy, Transformers

Databases: SQL, MongoDB, Redis, VectorDB

MLOps & DevOps: GitHub, Docker, MLFlow, CI

Tools & IDE: VS Code, Jupyter Notebook, SQL Clients, Postman

Cloud Platforms:
- Microsoft Azure: Azure OpenAI, Azure AI Studio (Foundry), Blob Storage, Data Lake, Data Factory (pipelines)
- Amazon Web Services (AWS): EC2 instance setup, model deployment, endpoint creation with AWS SageMaker, S3.

Core Competencies:
- Predictive and Statistical Modeling
- NLP and Generative AI
- Data Analytics, A/B Testing, Key Driver Analysis

CERTIFICATIONS

- Generative AI with large Language Models (Coursera)
- Building GenAI Applications with MongoDB (MongoDB)
- Azure Data Scientist Associate (Udemy)
- Building RAG Agents with LLMs (NVIDIA)
- Completed multiple courses on Generative AI and LLMs on Deeplearning.AI

LANGUAGES

English   ● ● ● ● ○
Telugu   ● ● ● ● ○
Hindi   ● ● ● ● ○

INTERESTS

Development	Applied Machine Learning
AI Agents	DevOps & MLOps