

SUMMARY

Data Scientist with 3+ years of experience building AI-powered solutions with a strong focus on Natural Language Processing, Generative AI, and Large Language Models (LLMs). Proven expertise in implementing Retrieval-Augmented Generation (RAG), prompt engineering, and intelligent agent workflows. Skilled in end-to-end model development—from data preprocessing and training to evaluation and deployment in production environments. Passionate about leveraging AI to solve real-world problems through innovation, scalability, and performance optimization. Actively exploring Reinforcement Learning and responsible AI development, with a strong interest in ethical AI systems.

EDUCATION

MSc. in Data Science	Oct '20 - Jul '22
GITAM University	Hyderabad, IN
CGPA - 8.89	
Specialization - Data Science	
BSc. in Computer Science	Jun '17 - Sep '20
Bhavan's Vivekananda College	Hyderabad, IN
CGPA - 8.81	
Specialization- Mathematics, Statistics and Computer Science	

TECHNICAL SKILLS

Languages & Frameworks: Python, C, Java, PyTorch, TensorFlow, Scikit-learn, Keras

LLM & GenAI Tools: Transformers (Hugging Face), LangChain, Prompt Engineering, OCR, EasyOCR

NLP & Deep Learning: Tokenization, Named Entity Recognition, Attention Mechanisms, Text Classification

Data Tools: NumPy, Pandas, Matplotlib, Seaborn, Plotly, Statsmodels

Databases: SQL, MongoDB, NoSQL

APIs & Frameworks: FastAPI, Flask, Streamlit

Version Control & DevOps: Git, GitHub, Bitbucket

Other Tools: Microsoft Excel, LaTeX, Google Colab, Jupyter, Anaconda

PROFESSIONAL EXPERIENCE

Data Scientist	Dec '23 - Present
App Orchid India Pvt Ltd.	Hyderabad, IN
<i>App Orchid Enterprise Solutions: Empowering enterprises with AI-driven insights and actions for seamless digital transformation.</i>	
<ul style="list-style-type: none">Worked on Retrieval-Augmented Generation (RAG) pipelines integrating LLMs with structured enterprise data.Implemented Bayesian inference models (MCMC, clustering, trend detection) for enterprise analytics.Integrated LLMs into analytics platforms for natural language query resolution and data summarization.Built and maintained prompt templates for various business use cases, improving response accuracy.Contributed to a text-to-SQL pipeline that converted user queries into executable database statements.	
Junior Data Scientist	Jul '22 - Dec '23
Onpassive Technologies Pvt Ltd.	Hyderabad, IN
<i>Product Based AI Technology Company developing fully autonomous Software as a Service (SaaS) products for global clientele.</i>	
<ul style="list-style-type: none">Contributed to LLM-based modules including Speech Translation, Smart Compose, Sentence Correction, and eKYC automation.Used pre-trained Transformer models for OCR, text generation, and language correction; applied deep learning for face recognition systems.Designed modular APIs using FastAPI for scalable AI microservices, enabling seamless integration across various products.Applied feature engineering and ML pipelines for text preprocessing, vectorization, and classification.Participated in integrating multiple models into production workflows using Python-based microservices.Collaborated on containerizing AI modules with Docker to streamline deployment and improve reproducibility.	
Data Science Intern	Jan '22 - Apr '22
Onpassive Technologies Pvt Ltd.	Hyderabad, IN
<i>Product Based AI Technology Company developing fully autonomous Software as a Service (SaaS) products for global clientele.</i>	
<ul style="list-style-type: none">Worked on an email classification system using NLP techniques to categorize emails into social, primary, promotions, and updates.	

PROJECTS

- **OpenAI-Based Document Search Assistant (RAG-powered) | Tech Stack : Generative AI, Python | Apr '25 – May '25**
 - Built a Retrieval-Augmented Generation (RAG) system to allow users to query domain-specific documents using natural language.
 - Used **OpenAI GPT-4** as the language model and **FAISS** for semantic vector search over chunked document embeddings.
 - Implemented a modular pipeline with document preprocessing, chunking, embedding generation (via `text-embedding-ada-002`), and context-aware prompting.
 - Developed the app using **Streamlit** and **FastAPI**, enabling a chat-based interface for document Q&A.
 - Optimized retrieval relevance by adjusting chunking granularity and prompt context window size.
 - Hosted via local server with a scalable backend structure for future deployment to AWS/GCP.
- **Master Thesis - Malicious URL Detection | Tech Stack: Python | Mar '22**
 - Built a classification model using AdaBoost and Random Forest to detect malicious URLs using lexical and binary features.
 - Engineered 17 handcrafted features and improved prediction performance via Voting Classifier ensemble.
 - Achieved high accuracy and precision on a 450k+ sample dataset.
- **Exploratory Data Analysis - Loan Default Dataset | Tech Stack: Python | Jul '22**
 - Conducted deep EDA on LendingClub dataset using Python, revealing key risk indicators across multiple user segments.
 - Applied univariate, segmented univariate, and multivariate analysis to identify drivers of loan default.
 - Delivered actionable business insights using Seaborn and Plotly-based data visualizations

CERTIFICATIONS

- Advanced Certification Program- ML and DL | <https://www.credential.net/cd351c15-571f-41d1-a39f-dee5c2750553#acc.njkJeqWt> | IIIT Bangalore | Feb'24

ADDITIONAL ACHIEVEMENTS & VOLUNTEER EXPERIENCE

- Received second prize for my android Application - Onestop at a College-level Tech competition during my Bachelor's.
- Honored with "Mr. Computer genius 2019" award for my achievements and projects in Computer Science.
- The app which I have developed "Bhavan's Vivekananda College App" is being officially used by the college with over 2000+ users.
- Worked as Vice President of Bhavan's Core Division in an organization called Street Cause which is the largest student-run NGO.