NAVYA SINHA

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Data Scientist with nearly 4 years of experience in Machine Learning, NLP, and GenAI. Skilled in delivering scalable AI solutions using LLMs, clustering, and predictive modeling. Known for building reusable frameworks (e.g. Sentiment Analysis, Topic Modeling), enabling data-first practices, and contributing to GenAI-driven research automation and strategic analytics

WORK EXPERIENCE

GARTNER   Oct 2021 - Jan 2025
Associate Data Scientist

- Led and expanded the Country Localization initiative across key non-English-speaking regions, integrating localized PESTLE insights into sales strategies and contributing to a 5% uplift in regional revenue

- Optimized research workflows by transitioning from Python scripts to Azure Databricks and built GenAI pipelines using LLMs (Mistral, OpenAI), LangChain for chunking, and prompt engineering for insights from Talkwalker and LinkedIn APIs

- Delivered fast-turnaround GenAI-powered social media insights for 12 research notes, collaborating with the Chief of Research and Knowledge & Insights Leaders across practices like I&O, Software, and AI

- Mentored three associates on advanced text analytics, strengthening the team's expertise and also worked on cross team collaboration for company know L&D project that won best project award

- Secured the Content Excellence Award for contributing high-quality research supporting talent and event-based quick turnaround projects

Data Science Specialist

- Led the shift from traditional to analytics-driven research by conducting knowledge-sharing sessions and developing reusable NLP frameworks (like Topic Modeling, Sentiment Analysis, Translation), accelerating team-wide adoption of modern research methodologies

- Conducted coverage analysis to assess supply-demand alignment, leveraging FAISS, BERT-based models, Text Similarity, and Clustering techniques to enhance content planning

- Led the planning and execution of a cross-functional vertical-level sports event with 35 participants, enhancing leadership engagement and team collaboration

- Recognized with the Best Promising Newcomer award for impactful contributions across analytics enablement, technical innovation, and cross-functional initiatives

VIRTUE ANALYTICS   Mar 2021 – Oct 2021
Data Analyst

- Gathered and processed large-scale raw data, including web scraping and scripting in Python, to enable data-driven decision-making

- Applied machine learning techniques to predict scholarship eligibility and need-based aid, based on student scores and expected family contributions

EDUCATION

Post Graduate Diploma in Data Science
Manipal Academy of Higher Education   Aug 2019 - Sep 2020
Bachelors of Technology in Computer Science and Engineering
DR. APJ ABDUL KALAM TECHNICAL UNIVERSITY   Aug 2012 - Jul 2016

SKILLS

Azure Databricks, Deep Learning, Generative AI, Large Language Models, LLMs, Machine Learning, Market Research Analytics, NLP, Python, Sentiment Analysis, Social Media Analytics, Social Media Research, SQL, Text Analytics, Web Scraping

CERTIFICATIONS

Generative AI with Large Language Models

DeepLearning.AI, Coursera

SQL FOR DATA SCIENCE

UC Davis, Coursera

Python Basic

HackerRank