



SACHIN MISHRA

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Mumbai, Maharashtra, 400064

Skills

- Python
- R
- SQL
- PySpark
- Deep Learning
- Machine Learning
- NLP
- Computer Vision
- Generative AI
- Regression
- Time Series Analysis
- Hypothesis Testing
- Ensemble Methods
- BERT
- Transformers
- Langchain
- LangGraph
- CrewAI
- MLFlow
- DVC
- AWS Sagemaker

Summary

Results-oriented Data Scientist with 4.5+ years of experience in developing and deploying machine learning solutions, specializing in NLP, computer vision, and generative AI. Proven ability to build scalable models, derive actionable insights from complex datasets, and mentor junior data scientists. Expertise in Python, R, and cloud platforms (AWS, Azure, GCP). Seeking a challenging Data Scientist role to leverage AI and machine learning expertise to drive innovation and business impact.

Education

Thakur College of Engineering & Technology

Bachelor of Engineering in Electronics & Telecommunication, CGPA: 9.04/10

- Relevant Courses included: Signals & Systems, Discrete Time Signal Processing, Image Processing and Machine Vision, and Database Management Systems, providing a strong foundation for data science applications.

Experience

Tata Technologies

DataScientist

Mar 2025

- Led the development and deployment of a No-Code ML Platform, enabling users to build, train, and deploy machine learning models through a drag-and-drop interface with integrated AutoML.
- Automated the end-to-end machine learning pipeline, streamlining data preprocessing, model selection, training, and deployment, resulting in a 70% reduction in model development time.
- Empowered non-technical users to leverage AI-driven insights, leading to significant improvements in organizational decision-making and innovation speed.

Trident Services (Data Society Group)

Data Scientist

Jul 2022 - Jul 2024

- Implemented a Local RAG System using a Mistral-7B quantized model, reducing assessment creation time by 2-3 man-days per course and improving team productivity by 15%.
- Developed and fine-tuned NLP models for sentiment analysis and information extraction using BERT, achieving a 20% improvement in prediction accuracy.
- Enhanced product reliability and improved user experience through accurate sentiment analysis and information extraction.

Employtech Center India Private Limited

Data Scientist

Aug 2024 - Jan 2025

- Developed and implemented machine learning, deep learning, computer vision, and generative AI solutions for the medical and retail domains.
- Created the "assessment-creator" Python package, automating course assessment creation and streamlining question-and-answer generation.

- GCP Vertex AI
- Azure
- AWS
- GCP
- Tableau
- Power BI
- MySQL
- MongoDB
- ChromaDB
- Pinecone

🔗 Extra Curricular

- Created LocdataMAC Python Package & released on [PyPI Page](#):
- Created a 15+ Hour long Content for LangGraph on [YouTube](#) & [GitHub](#)
- Gold Medalist for IC the future Competition

- Designed and deployed a serverless data analysis platform using AWS Lambda for real-time monitoring of key performance metrics for a Social Network Application.
- Provided actionable insights from the platform's data analysis pipeline, enhancing decision-making capabilities for the client.

Tata Consultancy Services (TCS)

Assistant System Engineer

Jul 2021 - Jul 2022

- Managed large-scale SAP HANA databases for production, development, and quality environments, ensuring data integrity and reducing data downtime by 20%.
- Developed a Tableau BI dashboard to track monthly incidents and tasks, reducing SLA time by 30% and optimizing task allocation.
- Collaborated with cross-functional teams using Agile methodologies to improve project execution efficiency.

📄 Projects

- No-Code ML Platform: Developed a user-friendly platform for building and deploying machine learning models without coding.
- Agentic RAG Chatbot: MetaMech: Built an intelligent chatbot using Retrieval-Augmented Generation for enhanced conversational AI.
- ML-Powered Compensation Fitment Decision System: Created a machine learning model to optimize compensation decisions based on performance and market data.
- AutoNPI ML Engine: ML-driven automation engine for end-to-end NPI workflows: Developed a machine learning engine to automate new product introduction (NPI) workflows.
- Multi-AI Agent Travel Assistant: Designed a travel assistant leveraging multiple AI agents to personalize travel planning.
- NLP-Text Summarization Using Pegasus Model: Implemented text summarization using the Pegasus model for efficient information extraction. [Repo Link](#)
- Voice-Driven-Pizza-Ordering-Bot: Built a voice-controlled pizza ordering bot using Mistral. [Github Link](#)
- GEN-AI Course-Recommender: Developed a course recommendation system using generative AI.
- RAG based Interview Bot: Created an AI-powered mock interview bot using Retrieval-Augmented Generation. [Repo Link](#)
- YouTube Personalized Video Summarizer App: Developed an application to summarize YouTube videos based on user preferences. [Github](#)