

# SACHIN MISHRA

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<https://sachinmishraportfolio.streamlit.app/>

[LinkedIn](#)

[Github](#)

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## SUMMARY

Experienced Data Scientist and Mentor proficient in Machine Learning, NLP, Computer Vision, and GenAI with over 2.5 years of hands-on experience. Led teams of Junior Data Scientists and Analysts, guiding them to achieve outstanding results. Known for leveraging data-driven insights to solve complex problems, I combine technical expertise and leadership to drive impactful solutions. Seeking dynamic and challenging opportunities to contribute skills and knowledge.

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## WORK EXPERIENCE

### Data Scientist , Data Society

July 2022 - Present

- Created automation tools like the "assessment-creator" package, and contributed to Tableau dashboard projects for the North Carolina government
- Accomplished diverse training projects in Python, NLP, Computer Vision, and Web Scraping, consistently meeting project goals
- Earned acclaim through the prestigious 'Efficient Employee Award', a testament to the exemplary performance and unwavering commitment to excellence.
- Revolutionized course assessment processes by implementing the Local RAG System, slashing question-and-answer generation time for each course by an impressive 2-3 man-days.

### Senior Data Analyst/Scientist Mentor, Digikull

Jan 2023 - Present(Part-Time)

- Empowered learners through captivating lessons and real-world applications in Python, machine learning, statistics, and Tableau as a mentor and instructor.
- Crafted robust curricula customized to cater to the unique backgrounds of students, fostering mastery in Python programming, machine learning, statistics, and Tableau.
- Guided and nurtured junior data analysts, instilling best practices, troubleshooting expertise, and fostering their professional growth.
- Delivered personalized guidance and constructive feedback to students, orchestrating dynamic exercises and assessments to optimize learning outcomes. Spearheaded the integration of MLOps methodology utilizing MLFlow within the organization.

### SAP Analyst, Tata Consultancy Services

July 2021 - July 2022

- Orchestrated seamless management of Clients' data across SAP Hana database systems in Production, Development, and Quality, ensuring uninterrupted business operations.
  - Engineered an insightful BI dashboard on Tableau, revolutionizing the tracking of monthly incidents, tasks, and change requests, resulting in a remarkable 30% reduction in SLA time. This initiative optimized task allocation across diverse teams.
  - Spearheaded collaboration between engineering and business teams, leveraging scrum/agile methodologies to drive efficient project execution.
  - Innovated SAP BI object creation, adeptly provided essential roles and authorizations to clients, and meticulously monitored process chains, enhancing operational efficiency and client satisfaction.
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## PERSONAL & FREELANCE PROJECTS

Aug 2020 - Present

### Credit Score Classification - [Docker Image](#)

- Conducted in-depth analysis and meticulous cleansing of a Credit dataset comprising over 50,000 records.
- Engineered a robust Classifier utilizing Random Forest, delivering a commendable prediction accuracy of 72%.
- Championed the development of a Docker image and its seamless deployment using a Kubernetes cluster in a local environment, showcasing proficiency in cutting-edge technology implementation.

### NLP-Text Summarization Using Pegasus Model - [Github Link](#)

- Orchestrated the development of a comprehensive text summarization project using the Pegasus model, integrating training, prediction, and deployment pipelines.
- Implemented CI/CD practices to ensure efficient development and deployment processes, enhancing productivity and reliability.
- Leveraged MLflow, DVC tools, and AWS infrastructure to establish robust MLOps practices, enabling seamless management of experiments, model versions, and reproducibility.

### Voice-Driven-Pizza-Application - [Github Link](#) , [Huggingface Link1](#),[Huggingface Link2](#)

- Orchestrated the development of a comprehensive NLP pipeline to power a voice-based food delivery app.
- Seamlessly integrated three advanced NLP models into the app: an Intent Classification model leveraging Distillbert, an NER model based on xlm-roberta base, and a Negation detection model.
- Innovated the creation of a RAG application using Mistral-7B quantized and llama-cpp library, enhancing user experience with more natural responses.

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## TECHNICAL SKILLS

- **Programming:** Python- (Scripting / Automation), C, R/Rstudio, SQL
- **Visualization:** Tableau, Power BI, Seborn, Plottly, Matplotlib, Tableau, Prepflow-builder
- **Database:** MySQL, MongoDB
- **Data Science:** Machine Learning, Deep Learning, NLP, Computer Vision
- **Frameworks:** Streamlit, Flask, Langchain, FastAPI

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## EDUCATION

### Bachelor of Engineering in Electronics & Telecommunication

Thakur College of Engineering & Technology CGPA - 9.04/10

- Related Courses: Signals & Systems, Discrete Time Signal Processing, Image Processing and Machine Vision, Database Management System

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## ADDITIONAL INFORMATION

- **Other Projects & Skills:** Project Management, Sports Celebrity and Data Scientist's Image Classification, Python Pypi Package, NLP Emotion Detection, Atliq Hardware Sales/Profit Dashboard using Tableau, Content-Based Movie Recommender Engine
  - **Certifications:** Python for Data Science
  - **Community Sessions:**
    - [Build Your ML/DL Model in just 2 mins](#)
    - [Tableau Project Based Learning | Chapter-2 | Part-1](#)
    - [Pdf\\_tables\\_to\\_Excel\\_tables in Python | Loc Data](#)
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