Sai Divya Ravali Sala

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EDUCATION

- **Indian Institute of Science (IISc)**,Bangalore,India   2021 – 2022
  PG Level Advanced Certification in Computational Data Science   Grade: A+
  Relevant Courses: Machine Learning, Deep Learning, Mathematics for ML, Business Analytics, Parallel Computing, Data Engineering
- **Motilal Nehru National Institute of Technology**,Allahabad,India   2013 – 2017
  Bachelor of Technology in Biotechnology   GPA: 7.96/10.0
  Relevant Courses: Bioinformatics, Bio-Statistics, C Programming

TECHNICAL SKILLS

- **Languages:** Python, SQL, R (familiar)
- **GenAI / NLP / ML:** Foundation Models (Claude, GPT-4, Gemini), Retrieval-Augmented Generation (RAG), Transformers (BERT, RoBERTa), Summarization, Sentiment Analysis, Classification, Clustering, XGBoost, PCA, Deep Neural Networks
- **MLOps & Deployment:** Git, Flask, Docker, MLflow, Jenkins, Streamlit, Postman, AWS, GCP, Heroku
- **Databases / Vector Stores:** MySQL, MongoDB, Cassandra, Qdrant, Apache Spark
- **Visualization:** Seaborn, Plotly, Tableau, Google Data Studio, Metabase
- **Tools & Collaboration:** JIRA, Notion, VS Code, Cursor, Jupyter Notebook, Colab
- **Soft Skills:** Problem Solving, Creativity, Communication, Research, Collaboration, Time Management

PROFESSIONAL EXPERIENCE

Cognizer Inc. - *Contract Intelligence AI Vendor*   Dec 2023 – Present
Data Scientist (Remote)

- Architected and deployed an enterprise-grade GenAI system named **Copilot** for contract management, leveraging LLMs (e.g., Claude 3.5, GPT-4o, Gemini) to significantly accelerate training data generation and reduce manual annotation efforts for downstream NLP models.
- Automated model finetuning and deployment using AWS, Flask, and Jenkins with transformer embeddings (BERT, RoBERTa), achieving 85% precision and 90% recall in clause extraction via a CI/CD pipeline.
- Engineered a RAG-based conversational AI system for legal documents, enabling real-time, context-aware extraction of critical business insights and contract clauses for legal and business teams.
- Developed robust data pipelines for document ingestion, chunking, and annotation, ensuring high data quality and improving model performance.

Digite Inc. - *B2B SaaS Provider*   Sep 2022 – Dec 2023
Data Scientist (Bangalore, India)

- **Kairon - *Conversational AI Platform:*** Designed and deployed tailored conversational AI chatbots in collaboration with cross-functional teams, for enterprise clients, reducing support response times by 30% and improving engagement scores. Built telemetry reporting pipeline from MongoDB into dashboards, enabling data-driven marketing strategies.
- **Agwise - *AgriTech AI Platform:*** Deployed computer vision pipeline for crop health monitoring using CCTV & IoT feeds,to provide real-time, actionable insights to farmers. Improved efficiency by 25% through movement + object detection fusion. Optimized labor activity classification models, cutting inference time by 20% through annotation refinement and hyperparameter tuning.

OneLearn.io - *E-Learning Providers*   May 2022 – Apr 2023
Teaching Assistant (Remote)

- Developed and implemented an automated code review system, providing students with standardized, constructive feedback and improving coding proficiency by 20% over a 3-month period.

- Provided one-on-one mentorship and support, helping students overcome challenges and achieve a student satisfaction rate of 95% based on post-course surveys.

Raaho - *Digital Freight company*   Dec 2021 – Jun 2022
Data Science Intern (Bangalore, India)

- Conducted quantitative data analysis and mining using SQL, building interactive dashboards in Metabase and presenting key findings for monthly business reviews.
- Parallelized Python scripts, reducing runtime for visualization and analysis tasks by 40%.

PROJECTS

- **PARIS (Python-based Agentic Retrieval Interview System):** Agentic RAG-powered QA system for document retrieval + web search. [GitHub]
- **Hotel Reservation Prediction (MLOps App):** Booking cancellation predictor for revenue optimization with CI/CD pipelines. [GitHub]
- **VITON (Virtual Try-On):** Computer vision app for fashion accessory fitting using face keypoint detection (OpenCV). [GitHub]
- **Speech Emotion Classification:** Ensemble model (Voting Classifier) achieving 80% accuracy on emotion recognition.

PUBLICATIONS

- **Title:** Lung cancer: analysis of biomarkers and methods of diagnostic and prognostic value
  Journal: Cell Mol Biol(Noisy-le-grand)   **DOI:** 10.14715/cmb/2017   Jul 2017

ACHIEVEMENTS

- **SMART BUCKS (In-House Recognition Award)** - Recognized as top performer in the Data Science Team, Cognizer.Inc   Q1 2025
- **1st Place** – Carrom Tournament, MNNIT Allahabad   2016
- **2nd Place** – Poster Presentation, Avishkar, MNNIT Allahabad   2016

CERTIFICATIONS

- **Summer Analytics**, Consulting & Analytics Club, IIT Guwahati   May 2021