

CLEMY MARIHAL

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PROFESSIONAL SUMMARY

Detail-oriented **Data Science Enthusiast** currently pursuing an **MTech in Data Science**, with strong hands-on experience in **machine learning, deep learning, computer vision, and data analytics**. Proven ability to apply statistical modelling and predictive techniques to real-world problems. Experienced in academic coordination, technical training delivery, and data-driven decision support. Adept at translating complex data insights into actionable outcomes.

TECHNICAL SUMMARY

- Strong foundation in Data Science, Machine Learning, and Deep Learning with hands-on project experience.
- Experienced in building predictive models, classification systems, and identity verification pipelines.
- Proficient in data preprocessing, feature extraction, model training, and performance evaluation.
- Applied computer vision, NLP, and audio processing techniques to real-world datasets.
- Skilled in data analysis, visualization, and dashboard creation to support data-driven decisions.
- Familiar with end-to-end project development, from problem definition to deployment-ready implementation.

TECHNICAL SKILLS

- **Programming:** Python, SQL, C, JavaScript
- **ML/DL:** CNN, LSTM, Random Forest, Logistic Regression, Clustering
- **Libraries:** Pandas, NumPy, Scikit-learn, TensorFlow, OpenCV
- **Visualization:** Tableau, Excel, Matplotlib
- **Tools:** PySpark, Jupyter, PyCharm, Git

ACADEMIC PROJECTS

I. Multi-Modal Face–Voice Identity Verification System for Secure e-KYC

- Designed a **multimodal face–voice identity verification system** using deep learning to improve authentication accuracy for secure e-KYC applications.
- Implemented **CNN-based facial feature extraction** and **voice feature processing (MFCCs)**, integrating both modalities using fusion techniques.
- Evaluated system performance using **accuracy, FAR, and FRR**, ensuring robustness against noise, spoofing, and environmental variations.

II. Customer Churn Prediction in the Telecommunications Industry

- Built predictive models using **Logistic Regression and Random Forest**.
- Conducted feature importance analysis and performance comparison.
- Delivered insights to support **customer retention strategies**.

III. Sarcasm Detection Using Bidirectional LSTM

- Designed an NLP-based classification system using Bidirectional LSTM networks.
- Performed text preprocessing, tokenization, and embedding generation.
- Achieved ~85% classification accuracy on test datasets.

PROFESSIONAL EXPERIENCE

Training & Placement Coordinator

HKBK College of Engineering | Bangalore | 11/2024 – Present

- Managing end-to-end placement and training activities for final-year and pre-final-year students.
- Conducted technical training sessions that improved students' placement readiness and interview performance.
- Coordinated with external recruiters and placement platforms, facilitating smooth scheduling and communication for 100+ students.
- Maintained placement-related data and analytics dashboards to track student progress and feedback effectively.

Programmer Analyst Trainee

Cognizant Technological Solutions | Chennai | 12/2023 – 04/2024

- Gained hands-on exposure to **software development methodologies** and enterprise coding standards.
- Worked with **C#, ANSI SQL, and JavaScript**, strengthening backend logic and database interaction skills.
- Participated in training modules focused on **application development and problem-solving**.

EDUCATION

- **Bachelor of Engineering in Computer Science and Engineering [7.96 CGPA]**
Jain College of Engineering and Technology | Hubballi | 2019 – 2023
- **Master of Technology in Data Science [Correspondence Mode] [8.96 CGPA]**
SRM University | Kattankulathur | 2024 – Present (Expected Completion: April 2026)

CERTIFICATIONS

- Python for Data Science and Machine Learning
- Microsoft Excel (Beginner & Intermediate)
- Foundations of .NET and Object-Oriented Programming
- Web Development Fundamentals (HTML, CSS, JavaScript)

SEMINARS/WORKSHOPS

Participated in a **National Level Seminar on “Basic Statistical Data Analysis Using SPSS”**, organized by SRM College of Agricultural Sciences, on **08/02/2025**.

LANGUAGES

English , Kannada , Hindi