

THAPA SANUS

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EDUCATION

Université Marie-et-Louis-Pasteur <i>Behavioral and Digital Economics for Effective Management</i>	Besançon, 25, FR Sep. 2024 – Present
Rungta College of Engineering and Technology <i>Computer Science and Engineering (CSE)</i>	Bhilai, India July 2015 – Sep 2019

SKILLS & COMPETENCIES

- Programming & Data Science:** Python, R, SQL, pandas, NumPy, scikit-learn, TensorFlow, tidyverse (R)
- Machine Learning & NLP:** Sentiment Analysis, Text Classification, Multimodal Analysis (Text + Image), OCR, Image Captioning, LLM Integration, NLP, Data Annotation & Labeling
- Automation & Data Engineering:** Pipedream (Workflow Automation), Web Scraping (Selenium), Data Cleaning & Preprocessing, ETL Pipelines, API Integration, Data Storage & Management
- Analytics & Visualization:** Power BI (Modeling & DAX), Advanced Excel, R Shiny, Data Storytelling, Dashboard Design
- Tools & Platforms:** Visibrain, Linux, Git/GitHub, Google Sheets, MySQL, PostgreSQL
- Core Competencies:** Communication, Presentation Skills, Time Management, Strategic Thinking, Teamwork

EXPERIENCE

Intern – Opinion Monitoring & Data Science <i>Meteco SAS</i>	April 2025 – July 2025 Besançon (25), France
<ul style="list-style-type: none">Developed an automated data mining and monitoring pipeline in Pipedream, enabling real-time collection of social media data from over 5 platforms including Instagram, LinkedIn, YouTube, Bluesky, and CloudMedia, increasing data retrieval efficiency.Engineered and optimized data pipelines by filtering, cleaning, and structuring over 28k Instagram Visibrain datasets, enhancing machine learning model accuracy.Implemented LLM-based pipelines (ChatGPT API) for sentiment analysis, text extraction, and visual content interpretation with OCR & image captioning (GPT-4v Vision API / JinaAI SceneXplain).Conducted the “Migration Project”, leveraging NLP and multimodal data analysis to study online narratives around immigration policy.Integrated textual and visual embeddings to enhance sentiment and narrative detection, supporting model-driven insight generation.	

Key Skills: Python · Data Mining · Pipedream Automation · NLP · LLMs (ChatGPT API) · Sentiment Analysis · OCR · Multimodal Learning · Social Media Analytics

Management Information System (MIS) Manager <i>Sunwarshi Municipality (Government of Nepal)</i>	Dec. 2020 – Dec. 2021 Morang, Nepal
<ul style="list-style-type: none">Managed data workflows including cleaning, validation, preprocessing, modeling, and importing.Performed SQL-based data extraction, updates, and database operations for efficient management.Developed advanced Excel reporting tools, including pivot tables, queries, and macros.Designed and maintained Power BI dashboards to support data-driven decision-making.Implemented RPA tools to automate repetitive tasks and streamline operational processes.	

CERTIFICATIONS

Complete A.I. & Machine Learning, Data Science Bootcamp — by Andrei Neagoie, Daniel Bourke on Udemy (Link)

PROJECTS

Impact of Scholarship on Academic Performance & Outcomes | R, Econometrics ([Link](#))

- Conducted an econometric analysis to evaluate how scholarship allocation affects academic outcomes in the Master's BDEEM program.
- Investigated differences in academic performance (first- and second-year grades) between scholarship recipients and non-recipients.

Predicting Heart Disease using sklearn (RandomForestClassifier) | Python, ML ([Link](#))

- Predicted Heart Disease using RandomForestClassifier with hyperparameter tuning (RandomizedSearchCV/GridSearchCV) to achieve 90% accuracy.

Predicting the Sale Price of Bulldozers using sklearn (RandomForestRegressor) | Python, ML ([Link](#))

- Predicted the sale price of bulldozers using RandomForestRegressor with hyperparameter tuning and pipeline modeling.

PowerBI Interactive dashboard for Uniqlo | PowerBI, DAX Modeling, Forecasting ([Link](#))

- Developed an interactive PowerBI dashboard for Uniqlo with KPIs, slicers, and visual analytics for sales, inventory, and performance tracking.

Web Scraper and Summarizer with FastAPI | Python, FastAPI ([Link](#))

- Developed a FastAPI-based web scraper that fetches the main content from a URL, summarizes it using OpenAI API, and stores results in Google Sheets for newsletter.