

SURESH KUMAR KUMAWAT

SOFTWARE DEVELOPER(BACKEND)

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PROFESSIONAL SUMMARY

MSc Digital Transformation student in France with practical experience in data science, machine learning, and data analytics. Strong background in Python, data preprocessing, exploratory data analysis, and predictive modelling. Experienced in applying data-driven solutions through real-world projects and industry internship experience.

Currently pursuing an MSc in Software Engineering in France and, as part of a mandatory academic requirement, seeking a **6-month** full-time internship starting **February 2026**, with the objective of contributing immediately to real-world projects and transitioning to full-time employment where applicable.

TECHNICAL SKILLS

Programming Languages:	Python, C#, SQL
Data Analysis	Data Cleaning, Data Analysis, Feature Engineering
Machine Learning:	Classification, Regression, Model Evaluation
Libraries & Tools	Pandas, NumPy, Scikit-learn, XGBoost, Git
Deep Learning:	PyTorch, TensorFlow

EXPERIENCES

<u>Data Science</u> Celebal Technologies, India	May 2023 – July 2023 Internship [Remote]
<ul style="list-style-type: none">Performed data cleaning, preprocessing, and exploratory data analysis on real-world datasets using Python.Built and evaluated machine learning models for classification and prediction using Pandas, NumPy, and Scikit-learn.Applied feature engineering and model evaluation techniques to improve prediction accuracy. Created data visualizations to communicate insights and support data-driven business decisions.	

Education

Master of Science (MS) – Software Engineering & Digital Transformation ESIGELEC - Rouen, France	Feb 2025 – Jan 2026
Bachelor of Technology – CSE (Artificial Intelligence) Poornima University, India	Apr 2020 - Mar 2024

PROJECTS

Geolocation Mobile Application	
<ul style="list-style-type: none">Implemented geolocation techniques using triangulation and computer vision-based feature matching.Designed and implemented advanced data visualizations, including network and knowledge graphs, to represent complex datasets and client-specific requirements.Contributed to sentiment analysis and text summarization features by developing frontend interfaces and collaborating closely with backend teams	

Predictive Maintenance Model

<ul style="list-style-type: none">Designed and implemented a predictive maintenance solution using real-world sensor and machine performance data.Conducted data preprocessing including missing value handling, outlier removal, and feature scaling.Evaluated machine learning models such as Random Forest, XGBoost, and SVM to predict equipment failures.
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Ultrasound Video Optimal Frame Detection

<ul style="list-style-type: none">Developed a deep learning model to identify optimal diagnostic frames from fetal ultrasound videos.Conducted literature review and implemented state-of-the-art deep learning approaches for medical video analysis.Supported fetal growth assessment in low-resource healthcare environments.
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Tech: Python, PyTorch, TensorFlow

LANGUAGES

• English (Professional)	• French A2 (en cours d'amélioration)	• Hindi (Native)
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