



CONTACT



Bangalore



mandirasawkar@gmail.com



+919663983377



[linkedin.com/in/mandira-sawkar](https://www.linkedin.com/in/mandira-sawkar)



<https://github.com/mandira-sawkar>



CORE COMPETENCIES

Data & Quantitative Analysis

Exploratory Analysis

Data Visualization

Predictive Modelling

Regression & Classification Models

Deep Learning

Natural Language Processing

Data Structures



TECHNICAL SKILLS

Languages

Proficient

Python, C, C++, PowerShell

Familiar

Java, HTML, CSS, JavaScript

Tools

Software Development

Git, Flask, Swagger, Marshmallow,
MySQL, MongoDB, Docker

Data Science & ML

Pandas, NumPy, Seaborn, matplotlib,
scikit-learn



EDUCATION

IIIT – Hyderabad

**Post Graduate Certification,
Software Engineering for Data
Science**

Apr 2022 – Mar 2023 (Expected)

Indira Gandhi National
Open University

Bachelor of Computer Applications

Dec 2015 – Apr 2020

French DELF B1

Alliance Française de Bangalore

MANDIRA SAWKAR

Motivated machine learning engineer with skills in data analysis and predictive modelling. As Software Engineer at WSP, developed and optimized 50+ PowerShell scripts and integrated workflows that decreased latency by 20%.



EXPERIENCE

Software Engineer | WSP Global | Oct 2020 – Present

- Launched CLI tool to automate creation and management of business-critical employee records. Used by admin team for induction of ~60K new employees in Q3'21 – Q3'22, saving ~83 days of manual effort. Developed integration of Windows PowerShell with ProjectWise.
- Developed Python application to perform monthly validation and correction of employee and project databases. Used Pandas Data frames to analyse and ensure data integrity by detecting duplicates and backfilling inconsistent employee-authorization on projects.

Visa Official | Consulate General of France | Mar 2020 – Sep 2020

- Authored 5 analysis reports on Covid-19 for the entire French community in Karnataka, Telangana, Andhra Pradesh (1000+ persons). Topics included economy, education, transport, etc.
- Processed about 50 visas per day while paying attention to illicit documents, forgeries, details.

French Subject Planner | K12 Techno Services (Orchids International School Group) | Feb-Apr 2019

- Created and redesigned around 50 lesson plans, micro schedules, used by French teachers of all branches for 800 students. Also formulated worksheets and question papers used by 500 students. Mentored and supervised teachers across 8 branches to ensure quality and knowledge.
- Authored and enhanced 25 French storybooks (out of 45) for children with a focus on levels of vocabulary, phonology with liaisons, elisions and diphthongs.

Deputy Manager | Campus France India | May – October 2018

- Counselled over 100 students, helping them find suitable courses and universities for higher education
- Conducted over 15 interviews; Trained and mobilized around 15 interns and volunteers
- Maintained professional and productive relationships with associates in educational institutions across Bengaluru; Represented Campus France at 2 education fairs and 10 Indian institutions as well as organized 4 such events



PROJECTS

Titanic Survival Prediction Integrating MLFlow | IIITH | Nov 2022

- Created multiple ML Models to predict the survival of passengers using the classic Titanic dataset. Tracked experiments and compared accuracy of Logistic Regression, Random Forest, Gaussian Naive Bayes, KNeighbors Classifier using MLFlow. Achieved 96% accuracy.

Product Shipping Status Prediction with PCA and LDA Optimization | IIITH | Dec 2022

- Created a Random Forest model to predict whether a company's products are shipped or cancelled while using Principal Component Analysis and Linear Discriminant Analysis for data visualization and dimension reduction and tested the accuracy of these methods. Achieved 97% and 92% accuracy respectively.