# Sanmay Kokate

Software Engineer (3+ years)

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## TECHNICAL SKILLS

**Python for Data Science**
Leveraged Python libraries for data cleaning, feature engineering, and model evaluation. Utilized Jupyter Notebook for exploratory data analysis and model prototyping. Built predictive models using ML techniques to identify patterns and trends.

**Deep Learning**
Utilized transfer learning to fine-tune pre-trained deep learning models for specific domain applications. Image Recognition, Natural Language Processing, Time Series Forecasting are the applications where I successfully applied deep learning algorithms.

## WORK EXPERIENCE

### System Engineer
Tata Consultancy Services pvt. ltd.

*04/2021 - Present*                    *Powai, Mumbai, Maharashtra*
*Software Company*

*Achievements/Tasks*

- **Integrated Credit Decision Platform(Bank of America):** Developer
- An integrated credit decision platform may integrate customer data across a variety of areas. A decision whether to grant or deny the customer's credit request may be based on the accessed integrated data.
- Tools used : Toad for **Oracle**(13.1), Postman, **Eclipse** 4.12

### Academic Intern
Continental Automotive India pvt. ltd.

*08/2018 - 06/2019*                    *Bangalore, Karnataka*
*Automotive Company (Technology Center)*

*Achievements/Tasks*

- **Localization**: Experiment of Missing Data imputation using Neural Networks. (**Autoencoder**, **deep learning**)
- **Supply Chain Management**: Developing dashboard for "Customer Demand Application" using **R Shiny, ggplot2**.
- **Chatbot**: Creating chatbot using Django framework and neural network. (**Natural Language Processing**)

## LANGUAGES

English
*Full Professional Proficiency*

Marathi
*Native or Bilingual Proficiency*

## EDUCATION

**MTech. Computer Science with specialization in Big Data Analytics**
Vellore Institute of Technology, Chennai

*07/2017 - 08/2019*                    *7.64 CGPA*
*Projects*

- "**Financial fraud Detection"** Prediction of whether the transaction is Fraud or not using RandomForestClassifier. Includes EDA, creating new features etc. Dataset consist of **6 million** records. Also, To overcome the problem of the imbalanced dataset SMOTE was used.
- **"Chatbot using Gen AI** " Built Financial chatbot using FAISS, Lang chain, Ollama (RAG). Utilized various research reports from Financial Institutions like, ICICI direct, Nifty50
- "**Electric motor temperature prediction** " Predicting the permanent magnet temperature ('pm') of the motor. Includes RandomForestRegressor, Deep Neural Network etc.
- **"Insurance price prediction"** Insurance price dataset used for price prediction using Multiple linear regression algorithm. Worked on EDA, data cleaning.

## SKILLS

Python3  Pandas  NumPy  scikit-learn
matplotlib  GenAI  plotly  Java  SQL
GitHub  Machine Learning  MongoDB
Tableau  Deep Learning  Financial Domain (BFSI)
Problem Solving  JIRA

## ACHIEVEMENTS

Introduction to R for data science (Microsoft) (08/2017 - 09/2017)

Missing data imputation (Continental AG) (08/2018 - 06/2019)
*Worked on real time dataset for industry research (Continental AG provided).*

Research Paper at International Journal of Pure and Applied Mathematics (05/2018)
**https://acadpubl.eu/hub/2018-118-24/3/556.pdf**

participated in global hackathon (TCS)
*rank - 365*