

# PRAKASH KUMBAR

Software Engineer: Artificial Intelligence & Machine Learning

## PROFILE

With a robust background spanning over **3.8+ years** in the dynamic realm of **data science & python development** with expertise in technical field, passionate about data and its influence on fact and insight-driven decision-making.

Able to perform all sorts of **Exploratory Data Analysis, Data Preprocessing, ML algorithms, Natural Language Processing and Artificial Intelligence**. I enjoy tackling new challenges and creating innovative solutions that lead to business growth and success.

## CONTACT

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## LANGUAGE

English  
Hindi  
Marathi  
Kannada

## QUALITIES

Leadership  
Good communication  
Problem-solving attitude  
Team collaboration

## EDUCATION

Bachelor of Engineering  
Pune University.  
Pune, Maharashtra

## WORK EXPERIENCE

Machine Learning Engineer | IFS India Mercantile Pvt Ltd.  
Sep 2020 – Feb 2024

Senior Software Engineer | Synapse India Outsourcing Pvt Ltd.  
March 2024 – June 2024

## PROJECT HIGHLIGHTS

- I. Store Performance Forecasting**  
**Description:** The objective was to build a predictive model and determine the sales of each product at a particular store. This model was helpful to the client to understand the properties of products and stores, which play a crucial role in increasing sales and developing better business strategies.  
  
**Contribution:** Evaluating and pre-processing data  
Analyzing and visualizing the data  
Involved in model building and evaluation  
Involved in the parameter tuning process for optimal model hyperparameters etc.
- II. Text Summarization**  
**Description:** Developed an AI system capable of generating concise and coherent summaries of long texts. This project leverages state-of-the-art Natural Language Processing (NLP) techniques to understand the context, extract key information, and produce summaries that retain the essence of the original content.  
  
**Contribution:** Developed and implemented text summarization using Python and NLP.  
Designed and trained models with advanced ML and deep learning. Enabled accurate, coherent summaries with NLP capabilities. Collaborated with developers and experts to enhance functionality.
- III. Advanced Chatbot: [NLP & AI]**  
**Description:** Developed a conversational chatbot using Python and NLP techniques to provide automated customer support. The chatbot utilized machine learning algorithms and deep learning models for natural language understanding and generation.  
  
**Contribution:**  
Developed and implemented a chatbot using Python and NLP techniques.

## SKILLS

PYTHON ,  
SCIKIT-LEARN,PANDAS,NUMPY & ALL  
LIBRARIES  
MACHINE LEARNING , REGRESSION &  
CLASSIFICATION  
NLP, SENTIMENTANALYSIS,  
BERT,LSTM,WEB SCRAPING, OCR  
DEEP LEARNING ANN,RNN,CNN .  
TENSOR FLOW, KERAS  
GPT3.5, CHATBOT, OPEN AI, CHAT-GPT,  
LLM.

## IDE & DATABASE

JUPYTER NOTEBOOK, GOOGLE COLAB  
VS CODE

MYSQL, POSTGRE SQL

## FRAMEWORK

FLASK  
DJANGO

## FRONTEND TECHONOLGY

React.js [Basics]  
HTML, CSS

## CODE VERSIONING TOOL

Git and GitHub

## API TESTING AND DOCUMENTATION

Postman, Swagger.

## CERTIFICATIONS

Introduction to Cloud Computing by  
Microsoft

AWS Certified Cloud Practitioner

Designed and trained the chatbot using machine learning algorithms and deep learning models.

Implemented natural language understanding and processing capabilities to enable intelligent responses. Collaborated with a team of developers and domain experts to define chatbot functionalities and improve its performance.

### IV. **Raw Material Procurement Automation for LNJ**

**Description:** Developed an automated system to streamline raw material procurement at Industrial Company, enhancing operational efficiency and reducing manual errors.

**Contribution:**

Implemented a comprehensive user management system. Automated the multi-level approval workflow.

Captured and updated raw material rates in the database from email inputs.

Developed scripts to automate the entire procurement process.

## PROFESSIONAL SUMMARY

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- Experienced professional with expertise in Python, Data Science, and Machine Learning, having worked on a variety of domain-specific projects.
- Adept at utilizing data visualization and summarization techniques to effectively convey key insights.
- Strong communicator, skilled in articulating findings and overcoming challenges to promote optimal team collaboration.
- Proficient in Natural Language Processing (NLP) and collaborative problem-solving strategies.
- Proven ability to write clean, production-quality Python code and efficiently use data analysis and machine learning libraries.
- Successfully implemented recommendation systems using collaborative and content-based filtering methodologies.
- Effective in customer interactions, maintaining professionalism and ensuring ease of communication.
- Excellent team player with the capability to work independently in high-pressure environments.
- Naturally curious, highly adaptable, and quick to learn new tools and applications.
- Skilled in using Swagger for comprehensive API documentation.
- Good understanding of Object Relation Mapping (ORM) in Django.
- Thrives on tackling diverse challenges with a commitment to continuous learning and staying updated on emerging trends in data science, development, and AI technology.