KRISH BAKSHI

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SKILLS

- **Programming Languages:** Python, SQL, C/C++.
- **Programming Frameworks:** PySpark, Pandas, PyTorch, Scikit-Learn, TensorFlow, Matplotlib, MLflow.
- **Technologies:** Machine learning, Deep Learning, statsmodels, Git, Databricks, GCP, Spark, Hadoop.
- **Languages:** English (Full professional), Japanese (N3), Hindi, Punjabi, Marathi (Bilingual).

WORK EXPERIENCE

DATA SCIENCE INTERN: *PROFCESS* 07/2024 – 01/2025

- Contributed to designing and deploying scalable data pipelines for time series forecasting, utilizing the Azure Databricks platform for data extraction, transformation, and loading (ETL) into cloud-based data lakes.
- Implemented and optimized auto-regression models such as XGBoost, ARIMA, and SARIMA, enhancing the accuracy of predictive insights for future sales.
- Developed data queries to surface insights and trends from large datasets from BigQuery, worked on various projects involving Time series, Computer vision, and LLM-based applications.

RPA INTERN: *PROAZURE SOLUTIONS PVT LTD* 12/2023 – 01/2024

- Led a team to design and implement Robotic Process Automation (RPA) solutions, driving automation initiatives for repetitive tasks.
- Automated workflows, including web scraping, online data collection, and Excel automation, leading to a 30% improvement in task efficiency.

WEB DEVELOPMENT INTERN: *RB TECH SERVICES* 07/2020 – 09/2020

- Led a team of developers in building a dynamic website, overseeing both frontend and backend development processes.
- Managed database design and real-time connectivity using phpMyAdmin and Wamp Server, ensuring seamless data flow between the server and client-side application.

PROJECTS

PULSEMATE: *Python, GenAI, LLM, RAG, Natural Language Processing, Gradio, Medical Sciences.*

- Developed a cardiology chatbot using ChatGPT 3.5, fine-tuned with domain-specific data for symptom analysis.
- Integrated RAG for real-time medical knowledge and cardiovascular health education.

ImaginAIry: *GenAI, LLM, Text-to-Image, Hugging Face, Image Processing, Gradio, Generative Art.*

- Built a text-to-image app using Stable Diffusion XL and animagine-xl for creative tasks.
- Integrated Gemini 2.0 Flash for prompt argumentation and describe the imagination clearly.

TIME SERIES FORECASTING FOR FUTURE SALES: *Python, XGBoost, PySpark, Gradio*

- Developed a sales forecasting model using XGBoost, accelerated with CUDA for efficient training, achieving a training time of 7 seconds. Data was transformed using PySpark for enhanced scalability and performance.
- Initially, the model had a 60% Mean Absolute Percentage Error (MAPE). After feature extraction and training, the model achieved 10% MAPE and 90% accuracy.

RENT PRICE PREDICTION USING ANN: *Python, TensorFlow, pandas, flask, Postman, CUDA.*

- Developed an ANN model to predict rent prices, achieving 85% accuracy based on size, condition, and location features.
- Deployed the model on a Flask server, providing real-time predictions with 90% reliability for users.

EDUCATION

SAVITRIBAI PHULE PUNE UNIVERSITY || Pune 08/2022 – 06/2025

Bachelors of Computer Engineering

Relevant Coursework: Data Structures and Algorithm, Probability and Statistics, Machine Learning.