

Prashant Bhardwaj

prashanttbbhardwaj@gmail.com | github.com/prashsamosa | linkedin.com/in/prashant-bhardwaj20 | portfolio

Technical Skills

- **Programming Languages:** Python, Julia, SQL
- **Data Science & ML:** Pandas, Polars, NumPy, Scikit-learn, XGBoost, LightGBM, CatBoost, PyTorch, fastai, TabNet
- **Advanced Analytics:** Time Series Analysis (ARIMA), Statistical Modeling, Monte Carlo Simulation, Linear Programming
- **AI & LLM:** LangChain, LangGraph, RAG Systems, ONNX Runtime
- **Cloud & Deployment:** FastAPI, Streamlit, Docker, Google Cloud Vertex AI, Apache Airflow, Supabase

Professional Experience

Software Development Intern | Codedamn **Jun 2024 – Aug 2024**

- Developed and implemented comprehensive Cypress-based end-to-end testing frameworks, improving platform reliability by ensuring robust feature validation across critical user workflows and reducing production bugs.

Open Source Contributor | Innogeeks Winter Of Code (IWOC 2.0) **Jan 2024 – Feb 2024**

- Enhanced community-driven data science projects by contributing analytical features, implementing performance optimizations, and creating comprehensive documentation to improve project accessibility and maintainability.

Projects

SWC Fantasy Football Analytics Platform

Python, FastAPI, Streamlit, ONNX, LangGraph, Apache Airflow

- Architected an end-to-end sports analytics platform featuring dual REST APIs with ONNX-optimized ML models for player acquisition forecasting and weekly performance predictions.
- Built an intelligent AI assistant using LangGraph and Gemini API for strategic decision-making, complemented by interactive Streamlit dashboards with real-time championship tracking and ML-powered FAAB bid optimization.

The Well Grounded Data Analyst

Python, Pandas, Streamlit, Machine Learning, Time Series

- Delivered 12 comprehensive analytical solutions including geographic encoding, entity resolution, PDF data extraction, survey analysis, and customer segmentation using advanced clustering algorithms (K-means, DBSCAN).
- Developed interactive Streamlit applications for business stakeholders, featuring Welsh property price analysis and mobile app user segmentation with actionable insights that identified 5+ distinct customer personas.

Polars Data Processing Framework

Python, Polars, Pandas, ETL

- Created a comprehensive 17-notebook implementation covering the complete Polars API ecosystem, from ETL workflows to advanced optimization techniques, demonstrating 3-5x performance improvements over traditional Pandas operations.
- Implemented large-scale data manipulation pipelines with complex aggregations, time series analysis, and memory-efficient processing using lazy evaluation, integrated with visualization libraries for interactive analytics dashboards.

Advanced Statistical Modeling Suite

Python, ARIMA, Monte Carlo, Markov Chains, SciPy

- Developed a comprehensive statistical toolkit featuring time series forecasting (ARIMA), Monte Carlo simulations for risk analysis, and linear programming for resource optimization across sports and business analytics domains.
- Implemented decision-making frameworks using Markov processes, statistical process control, and advanced probability modeling, providing strategic insights for data-driven business applications.

Education

Bachelor of Technology in Information Technology

2021 – 2025

Noida Institute of Engineering and Technology (AKTU), Greater Noida, India