

# Shriyansh Singh

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## SUMMARY

Empathetic and collaborative Data Scientist with strong communication and integrity; skilled in transforming complex data into actionable insights while fostering inclusive teamwork and growth

## PROFESSIONAL EXPERIENCE

**Data Science Intern**  
*Hyphenova AI*

*Apr 2024 – Present*  
*Los Angeles, CA*

- Conducted comprehensive exploratory data analysis using Python (Pandas, NumPy) and SQL on multi-source datasets, reducing data ambiguity by 35% and informing key strategic decisions
- Developed, validated, and fine-tuned predictive models (logistic regression and ensemble methods) that increased forecast accuracy by 20% for critical business metrics
- Automated data cleaning and feature engineering workflows via custom Python scripts, reducing preprocessing time by 40% and ensuring high data quality
- Designed and deployed interactive Power BI dashboards that visualized key performance indicators, cutting decision-making time by 30% and enhancing stakeholder engagement
- Collaborated with cross-functional teams to integrate scalable analytical models into production, ensuring robust, continuously optimized performance
- Adopted agile methodologies and version control best practices to streamline iterative model development and deployment, further accelerating project timelines

**Data Science Intern**  
*Enterprise Business Technologies Pvt. Ltd*

*Feb 2023 – May 2024*  
*Mumbai, India*

- Analyzed multi-terabyte datasets using Python and SQL to extract actionable insights, boosting efficiency by 15%
- Engineered and fine-tuned machine learning models (Random Forest, Gradient Boosting) for churn prediction, achieving an 18% improvement in AUC scores
- Implemented rigorous statistical tests and A/B experiments to validate key business strategies, increasing conversion rates by 12%
- Developed dynamic Tableau dashboards for real-time KPI monitoring, reducing report turnaround time by 40% and enhancing data-driven decision-making
- Streamlined data aggregation and cleaning processes with custom Python automation, cutting manual effort by 50% and ensuring high data integrity

## EDUCATION

**Indiana University Bloomington**  
*Master of Science in Data Science*

*Aug 2023 – May 2025*  
*Indiana, United States*

- Relevant Coursework: Data Visualization, Big Data Applications, Cloud Computing, Graph Analytics, Applied Machine Learning, Deep Learning, Computer Vision, Statistics

**University of Mumbai**  
*Bachelor of Engineering in Electronics*

*Aug 2018 – May 2022*  
*Maharashtra, India*

## TECHNICAL SKILLS

**Programming Languages:** Python, R, SQL, Java  
**Data Science & ML:** Scikit-learn, TensorFlow, PyTorch, XGBoost, Keras  
**Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau  
**Big Data & Cloud:** Apache Spark, Hadoop, AWS (S3, Redshift, EC2), Azure, GCP (BigQuery)  
**Statistical Modeling:** Hypothesis Testing, A/B Testing, Regression Analysis  
**Databases:** PostgreSQL, MySQL, MongoDB, SQL Server  
**DevOps & Collaboration:** Docker, Git, GitHub, CI/CD, Agile/Scrum

## PROJECTS

**Predictive Customer Churn Model** | *Python, XGBoost, Tableau*

*Nov 2023 – Feb 2024*

- Developed an ensemble-based churn prediction model that improved AUC by 18% over baseline models
- Engineered and selected features using recursive feature elimination and correlation analysis, reducing model error by 15%
- Deployed interactive Tableau dashboards to visualize churn drivers and guide strategic planning

**Interactive Sales Forecasting Dashboard** | *Python, ARIMA, LSTM, Power BI*

*Jul 2023 – Oct 2023*

- Constructed a hybrid time-series model using ARIMA and LSTM, improving forecast accuracy by 18% on historical sales data
- Automated data extraction and cleaning from diverse sources, reducing processing time by 40%