

# SHRIYANSH SINGH

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## PROFESSIONAL SUMMARY

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Detail-oriented data enthusiast with nearly 2 years of experience in machine learning and business analytics, specializing in optimizing predictive models and data pipelines. Proficient in Excel, Python, AWS, and Power BI, I've successfully led projects that improved matching success rates by 25% and reduced data processing time by 40%. Notably, I developed a fraud detection system that increased detection accuracy by 28%, significantly enhancing client trust and satisfaction.

## PROFESSIONAL EXPERIENCE

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### Hyphenova ai

Machine Learning Intern

Los Angeles, CA, USA

April 2024 - Present

- Led cross-functional teams to deploy NLP-based models, utilizing Agile methodologies to improve brand-creator matching by 30% and enhance overall user satisfaction.
- Optimized predictive models by refining Random Forest algorithms and employing advanced feature selection techniques, boosting matching success rates by 25% and overall campaign performance.
- Augmented model accuracy by 15% for underrepresented categories through SMOTE resampling, enhancing system reliability in handling data imbalance.
- Architected scalable data pipelines with Apache Spark and AWS, reducing data processing time by 40%, which aligns with Databricks' focus on cloud-based data processing.
- Incorporated real-time data quality checks with custom scripts, elevating data reliability by 30% and reducing analytics errors by 20%.

### Enterprise Business Technology Pvt Ltd

Business Analyst Intern

Mumbai, Maharashtra, India

March 2022 - October 2022

- Spearheaded the implementation of the OKR framework, aligning project strategies with business objectives, leading to a 25% increase in project completion rates and 20% enhancement in client satisfaction.
- Revamped Power BI data analysis systems by refining data models and automating validation processes, improving report reliability by 15% and accelerating report generation by 40%.
- Conducted market analysis using linear regression and time series forecasting, providing data-driven insights that improved forecast accuracy by 18% and drove a 10% increase in quarterly revenue while enhancing communication skills to present findings to stakeholders.
- Developed automated dashboards and visual aids for data analysis, enhancing decision-making and operational efficiency for digital products.

## EDUCATION

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### Indiana University - Bloomington

Master's, Data Science

August 2023 - May 2025

### University of Mumbai

Bachelor's, Electronics Engineering

July 2019 - May 2023

## SKILLS

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**Programming Languages:** Python, R, SQL, NoSQL, Java, C/C++, Julia, GoLang, Scala, Bash

**ML Toolkit:** Scikit-learn, TensorFlow, PyTorch, Pandas, NumPy, Matplotlib, Hugging Face

**Data Engineering :** Hadoop, Spark, AWS (S3, EC2, Redshift, Lambda, Glue), GCP, Azure (Data Factory, Synapse Analytics), Terraform, Docker, Kubernetes, Git, Databricks, Apache Kafka, Airflow, Pyspark

**Analytical Tools:** Excel, Alteryx, Tableau, Power BI, D3.js, Statistical Analysis, Time Series Analysis, A/B Testing

## PROJECTS & OUTSIDE EXPERIENCE

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### Revolutionizing Manufacturing Efficiency with Predictive Maintenance

- Integrated Agile methodologies with AWS SageMaker and Python to develop a cutting-edge predictive maintenance model, reducing system downtime by 20%, improving reliability and operational uptime.
- Optimized data handling processes to bolster accuracy and security, laying a foundation for sophisticated predictive analytics, vital for maintaining model integrity and ensuring reliable data-driven decisions.
- Revolutionized workflow automation by implementing AWS Data Pipeline and CloudWatch, which propelled operational efficiency by 50% and ensured peak performance and adaptability in dynamic environments.