

Shriyansh Singh

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SUMMARY

Empathetic and innovative AI Machine Learning Engineer skilled in deep learning and real-time analytics to solve complex challenges, drive impactful solutions, and foster teamwork

PROFESSIONAL EXPERIENCE

Machine Learning Engineer Intern

Apr 2024 – Present

Hyphenova AI

Los Angeles, CA

- Analyzed heterogeneous datasets using Python (Pandas, NumPy) and SQL to extract patterns, reducing data noise by 35% and guiding strategic decisions
- Constructed and fine-tuned convolutional neural networks in TensorFlow and PyTorch, elevating model precision by 28% on multimodal tasks
- Engineered scalable data pipelines with Apache Kafka and Spark to support near-real-time ingestion, cutting latency by 40%
- Instituted continuous integration and deployment with Docker and Kubernetes, enhancing model reliability and accelerating updates by 25%
- Collaborated with software engineers to embed ML solutions into production, improving system efficiency by 20%

Machine Learning Engineer Intern

Feb 2023 – May 2024

Enterprise Business Technologies Pvt. Ltd

Mumbai, India

- Leveraged statistical analysis in Python to forecast customer trends, improving forecast accuracy by 18% through regression and ensemble methods
- Devised ensemble models (Random Forest, Gradient Boosting) for churn prediction, raising AUC scores by 15% and validating business strategies
- Automated data cleaning and aggregation using custom Python scripts, reducing manual effort by 50% and ensuring data integrity
- Orchestrated A/B testing protocols that confirmed key strategy impacts, resulting in a 12% increase in conversion rates
- Developed interactive Tableau dashboards for real-time KPI monitoring, reducing reporting turnaround time by 40% and enhancing decision-making

EDUCATION

Indiana University Bloomington

Aug 2023 – May 2025

Master of Science in Data Science

Indiana, United States

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

University of Mumbai

Aug 2018 – May 2022

Bachelor of Engineering in Electronics

Maharashtra, India

TECHNICAL SKILLS

Programming Languages: Python, Scala, SQL, Java

ML Frameworks: TensorFlow, PyTorch, Scikit-learn, Keras, XGBoost

Data Engineering: Apache Spark, Kafka, Hadoop, Azure Data Factory, AWS SageMaker, Glue

Cloud Platforms: AWS (S3, EC2, SageMaker), Azure, GCP (BigQuery)

DevOps & Tools: Docker, Kubernetes, Terraform, CI/CD, Git, GitHub

Data Visualization: Power BI, Tableau, Matplotlib, Seaborn

Databases: PostgreSQL, MySQL, MongoDB, SQL Server

PROJECTS

Real-Time Sentiment Analysis System | BERT, Kafka, Power BI

Jul 2023 – Oct 2023

- Devised a BERT-based sentiment analyzer for streaming social media data, elevating classification accuracy by 25%
- Integrated Apache Kafka for continuous data ingestion and crafted a Power BI dashboard to visualize live sentiment trends, reducing response time by 40%

Adaptive Image Recognition Pipeline | ResNet-50, AWS, Docker

Nov 2023 – Feb 2024

- Formulated an adaptive image recognition pipeline using transfer learning with ResNet-50, enhancing accuracy by 32% over baselines
- Migrated the pipeline to AWS with Docker containers, reducing inference latency by 30% and supporting real-time predictions