

Shriyansh Singh

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SUMMARY

Adaptable and motivated professional with a collaborative mindset, strong interpersonal skills, and effective communication; passionate about creative problem-solving and nurturing positive, inclusive team environments

PROFESSIONAL EXPERIENCE

Machine Learning Intern <i>Hyphenova AI</i>	<i>April 2024 - Dec 2024</i> <i>Los Angeles, CA</i>
<ul style="list-style-type: none">Spearheaded design, development, and deployment of NLP-based content filtering algorithms using Python and TensorFlow, resulting in a 30% increase in brand-creator matching and a 15% uplift in user satisfactionEngineered a Random Forest model with iterative feature selection and cross-validation, enhancing prediction accuracy and improving campaign performance by 25%Deployed ML models on AWS SageMaker with real-time analytics dashboards, reducing data processing latency by 40% and expediting decision-making processesOptimized data pipelines with Apache Spark on AWS, reducing processing latency and tripling throughput for streaming datasetsImplemented automated monitoring and retraining pipelines that maintained model accuracy within a 2% margin and met responsible AI standards	
Machine Learning Intern <i>Enterprise Business Technologies Pvt Ltd</i>	<i>May 2022 - Oct 2022</i> <i>Mumbai, India</i>
<ul style="list-style-type: none">Developed a customer segmentation model using K-means clustering and PCA, identifying four distinct segments and boosting targeted engagement by 20%Revitalized predictive analytics pipelines by integrating XGBoost on Azure ML, increasing forecasting precision by 15% and cutting deployment time by 30%Automated data cleaning and feature engineering with Python and Pandas, reducing manual preprocessing effort by 50% and accelerating model training cycles by 20%Collaborated with cross-functional teams to integrate scalable ML models into production, reducing system downtime by 15% and streamlining operational workflows	

EDUCATION

Indiana University Bloomington <i>Master of Science in Data Science</i>	<i>Aug 2023 – May 2025</i> <i>Indiana, United States</i>
<ul style="list-style-type: none">Relevant Coursework: Data Visualization, Big Data Applications, Cloud Computing, Graph Analytics, Applied ML, Deep Learning, Computer Vision, Statistics	
University of Mumbai <i>Bachelor of Engineering in Electronics</i>	<i>Aug 2018 – May 2022</i> <i>Maharashtra, India</i>

TECHNICAL SKILLS

Programming Languages: Python, C++, Java
Machine Learning & AI: TensorFlow, PyTorch, Scikit-learn, XGBoost, Keras, Hugging Face Transformers, Model Quantization, Responsible AI Implementation
Data Processing & Big Data: Pandas, NumPy, Apache Spark, Dask, PySpark, Hadoop, Kafka
Cloud Platforms: AWS (S3, EC2, Lambda, SageMaker), GCP (AI Platform, BigQuery, Dataflow), Azure (ML, Synapse Analytics)
MLOps & Infrastructure: Docker, Kubernetes, Terraform, MLflow, Apache Airflow, CI/CD Pipelines
Data Storage: MongoDB, Cassandra, Neo4j, SQL Databases, Data Lakes
Version Control & Collaboration: Git, GitHub, Agile/Scrum

PROJECTS

Document Summarization and Keyword Extraction <i>Hugging Face, Elasticsearch, TensorFlow</i>	<i>Aug 2024 – Dec 2024</i>
<ul style="list-style-type: none">Developed a keyword extraction pipeline using SpaCy and NLTK, achieving 85% precision and integrating with Elasticsearch for scalable search capability	
Personalized Healthcare Recommendations <i>Kubernetes, PyTorch, TensorFlow, SHAP</i>	<i>Mar 2024 – June 2024</i>
<ul style="list-style-type: none">Designed a recommendation engine using collaborative and content-based filtering, increasing patient treatment adherence by 30%Incorporated SHAP for model interpretability to ensure transparent, accountable, and responsible AI-driven healthcare insights	