SHUBHAM

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PROFESSIONAL SUMMARY

Machine Learning enthusiast with strong foundation in MLOps, data engineering, and AI application development through comprehensive hands-on projects and internship experience. Built production-ready ML systems including RAG chatbots, automated MLOps pipelines, and predictive models achieving 89% accuracy. Proficient in Python, TensorFlow, AWS, Docker, and modern AI frameworks with proven ability to deliver end-to-end ML solutions from concept to deployment.

EDUCATION

HSB Hochschule Bremen — Master of Business Administration Bremen, Germany
Focused on Business Analytics, Digital Transformation, and Project Management   11/2024 - 03/2026

BMSCE — Bachelor's in Electronics Engineering Bangalore, India
Focused on Python, Machine Learning, Deep Learning, C Programming, Robotics | **CGPA**: 8.6   08/2018 - 07/2022

SKILLS

AI & Data Science: Python, SQL, Pandas, NumPy, scikit-learn, TensorFlow, Keras, Pytorch, Machine Learning, Deep Learning, NLP, LLMs, Gen AI, RAG, agentic workflows(LangChain, LangGraph), VectorDB(FAISS, Pinecone, Chroma), Computer vision.

Tools & Frameworks: Flask, Streamlit, Docker, Kubernetes, Git, GitHub, MLflow, DVC, Dagshub, Power BI, Tableau, Apache airflow, Postgresql, CI/CD, Heroku, AWS (EC2, S3, ECR, IAM, Sagemaker,Bedrock), Fast API, Clear ML, Prometheus, Grafana, Kafka, Databricks, Azure, GCP, XGBoost, Hugging Face.

PROJECTS

CLOUD-BASED MLOPS PIPELINE FOR VEHICLE INSURANCE PREDICTION
- Engineered an automated, scalable MLOps pipeline on AWS (EC2, S3) for seamless data ingestion and model training.
- Streamlined CI/CD workflows for insurance risk models, enhancing deployment speed by 60% and ensuring reproducibility.

MEDICAL CHATBOT (RAG APPLICATION)
- Developed a RAG chatbot using LLMs, LangChain, and Pinecone for accurate, context-aware information retrieval with CI/CD.
- Deployed scalable, real-time backend with Docker, Flask, and AWS (EC2, ECR) supporting seamless healthcare interactions.

NO CODE AUTO-ML WEB APP
- Built a comprehensive web app using Python and Streamlit that automates the entire ML workflow from data preprocessing to model comparison, reducing manual development time by 70% and enabling non-technical users to build ML models effortlessly.
- Enabled users to try and compare multiple models, boosting experimentation speed 80% without coding.

EXPERIENCE

BLUE YONDER (Supply chain management company)   Bangalore, India
Technical Consultant – Cloud Solutions with Data Engineering Exposure   01/2022 – 10/2024
- Maintained ETL data pipelines orchestrated with **Control-M** on Azure cloud infrastructure supporting data analytics for supply chain applications SCPO and LCT.
- Created **Data Doctor** automated solution for enterprise sales data validation and transformation, processing 500K+ records daily and eliminating 15 hours of manual validation work per week
- Delivered measurable impact: 95% improvement in forecast accuracy, 60% increase in planning efficiency, and up to 30% reduction in inventory expenses.
- Implemented and maintained automation scripts using Python, SQL, and Bash, reducing manual operational tasks by 25 hours per week and improving overall team productivity by 20%.
- Conducted in-depth analysis of system logs and performance metrics, identifying root causes and implementing fixes that led to an 18% decrease in recurring system issues.

VERZEO(Microsoft partnered)   Bangalore, India
Machine Learning Intern   07/2021 – 10/2021
- Constructed an Intelligent Student Performance Prediction System achieving 89% accuracy in identifying at-risk students 4-6 weeks early, reducing dropout rates by 18% through interventions.
- Architected a Personalized Learning Path Recommendation Engine that increased course engagement by 34% by suggesting optimal learning sequences tailored to individual student needs.