Sandeep Kumar Are

Mobile: +91 7989520772   **LinkedIn**

E-mail: sandeepkumar.are16@gmail.com   **Personal website**

CAREER OBJECTIVE

A proactive and fast learning individual seeking an opportunity to work as a dynamic data scientist/engineer, utilizing analytical & technical skills to help the company achieve business goals while driving innovation through AI, ML, and cloud solutions.

PROFESSIONAL SUMMARY

- 10+ years of IT software development experience, including 5+ years specializing in Python, Machine Learning, and Generative AI.
- Expertise in building end-to-end AI/ML solutions: data preprocessing, feature engineering, model training, deployment, and monitoring.
- Hands-on experience with Generative AI (LLMs, RAG, LangChain, Mistral, OLLAMA).
- Strong background in NLP, predictive modeling, and anomaly detection.
- Skilled in AWS cloud services (ECR, ECS, EKS, SageMaker, Lambda, SAM, S3, EC2) and CI/CD pipelines.
- Experience in data engineering pipelines, MLOps, and model lifecycle management with MLflow.
- Strong collaboration skills with cross-functional teams to deliver scalable AI solutions.
- Conduct text-based analysis to derive insights and patterns from unstructured data sources.
- Perform data preprocessing tasks, including data cleaning, feature engineering, and transformation to prepare data for modeling.
- Implement machine learning algorithms for classification and regression tasks, optimizing model performance and accuracy.
- Utilize Qlik Sense at a beginner level to develop interactive data visualizations and dashboards for stakeholders.
- Implement MLOps practices, including version control, continuous integration/continuous deployment (CI/CD), andmodel monitoring to ensure efficient and scalable machine learning workflows.
- Develop and maintain documentation for data science projects, including model architectures, workflows, and deployment procedures.
- Stay updated on emerging technologies and best practices in data science, machine learning, and cloud computing to drive innovation and enhance capabilities.

Technical Skills:

- ➢ Generative AI & LLMs: LangChain, RAG, Mistral, OLLAMA, Transformers.
- ➢ Cloud & Deployment: AWS (ECR, ECS, EKS, SageMaker, SAM, S3, EC2, Lambda), CI/CD pipelines.
- ➢ Machine Learning & AI: Predictive Analytics, NLP, Regression, Anomaly Detection, ML/DL (CNN, RNN, LSTM).
- ➢ Data Engineering: Snowpark pipelines, SQL, PostgreSQL.
- ➢ Visualization: Qlik Sense, Matplotlib, Pandas
- ➢ MLOps: MLflow, Model Monitoring, CI/CD
- ➢ Programming: Python.

WORK EXPERIENCE

Manager-C2 - Capgemini
January -2025 - Till Date | Hyderabad, India

ML Engineer - Capgemini Invent | Client: Entertainment domain (On-site)

- Developed an AI-powered invoice extraction system using Mistral models to process diverse invoice formats.
- Implemented video summarization and translation pipelines: generated concise text summaries, extracted key discussions, produced short-form video content, and enabled multilingual translation using OLLAMA models.
- Designed and implemented data engineering pipelines for Snowpark application deployment.
- Automated AWS SAM deployments with CI/CD integration using custom SAM templates.

- Built a LangChain-based RAG chatbot for enterprise knowledge retrieval.
- Deployed GenAI applications on AWS (ECR, ECS, EKS).
- Developed and deployed ML models on AWS SageMaker, integrated with MLflow for monitoring and lifecycle management.

Senior Software Engineer – ATMECS Technologies
Jun 2022 – January 2025 | Hyderabad, India

- Delivered multiple client projects involving supervised/unsupervised learning and multi-class classification.
- Applied NLP (NLTK, SpaCy, Transformer models) for text analytics.
- Built predictive models for payroll and anomaly detection.
- Deployed and monitored ML models with dashboards built in Qlik Sense.

Senior Software Engineer – Svobodha Infinity (Savart)
February 2020 – June 2022 | Hyderabad, India

- Led topic modeling and NLP research for investment insights (BERT, custom pipelines).
- Built data scraping pipelines (Python, Selenium, MongoDB).
- Worked on quantitative analysis and forecasting models for trading strategies.

Software Engineer – Netpeach Technologies
February 2015 – January 2020 | Hyderabad, India

- Developed ML models for autism risk detection research project.
- Used Python (NumPy, Pandas, Scikit-learn, Matplotlib) for statistical modeling and visualization.

Education

B.Tech in Electronics & Communication Engineering – JNTU University, India (2012).