Ashwin Parthasarathy

+49 176 352 90793 | ashwinparthasarathy30@gmail.com | Dortmund, Germany
[GitHub](#) | [Linkedin](#)

SUMMARY

A customer-focused Cloud & AI Solution Engineer with over 7 years of experience architecting and deploying scalable solutions. Proven expertise in guiding teams through the adoption of advanced AI/ML models, modern application architectures, and robust MLOps/GenAI Ops practices on platforms like Azure and AWS. Adept at applying software engineering best practices, including automated testing and version control, to improve and refactor complex code, ensuring robustness and reproducibility,hands-on technical engagements , taking proof of concepts to production-scale deployments, to solve complex business challenges and drive innovation.

EXPERIENCE

Tiger Analytics - Bengaluru,India   **Apr 2024 - May 2025**

Senior Analyst/MLE

- Architected and deployed a scalable, cloud-native application using FastAPI on Azure Red Hat OpenShift, establishing a full CI/CD pipeline for automated, fast-iterative deployments for enterprise clients.

- Enhanced an ML Observability platform by developing automation scripts and features that enable end-to-end visibility of key ML performance indicators. These enhancements include comprehensive monitoring of data quality, anomalies, data health, model performance, and data drift. Successfully deployed the platform in client environments, ensuring its reliability, which facilitates robust ML monitoring and observability

- Led the migration of ML models from Azure VMs to Databricks, optimizing system performance and scalability for production AI workflows and enabling real-time insights.

- Designed and implemented backend architecture integrating Retrieval Augmented Generation (RAG) models, demonstrating expertise in modern, agentic AI frameworks and LLM-driven solutions.

Neoware. ai,Chennai - India   **Apr 2023 - Dec 2023**

Machine Learning Engineer

- Designed and deployed scalable, containerized ML solutions using AWS (Sagemaker, ECR, ECS), showcasing expertise in full-stack cloud application architecture for production AI systems.

- Leveraged Azure AI services to build and deploy AI-driven solutions for automated document text extraction, directly addressing customer data processing challenges and refining datasets.

- Engineered Python backend services for a data validation platform, ensuring data integrity and reliability for AI workflows and robust dataset preparation.

- Deployed machine learning models (XGBoost) into production environments using AWS ECR and ECS.

- Developed and deployed an NLP-based sentiment classification model (LSTM) into production on AWS EC2, architecting a modular and scalable Python application for dynamic adaptation to text-based feedback.

Wipro Technology Solutions, Kochi - India   **Jan 2022 - Apr 2023**

Software Engineer

- Developed and integrated Python backend services and APIs using the Django framework, establishing a strong foundation in scalable software engineering practices.

- Developed data visualizations with React and MUI.

- Applied classification algorithms (Random Forests, SVM) for predictive modeling on complex datasets, demonstrating foundational machine learning expertise.

Cognizant Technology Solutions, Chennai - India   **Aug 2017 - Dec 2021**
Associate
- Developed and maintained Python-based automation scripts and contributed to robust automated testing framework development using Pytest, enhancing CI/CD capabilities.
- Enhanced test automation capabilities, collaborating on build processes and ensuring code quality across diverse components.
- Utilized Robot Framework for developing and enhancing comprehensive test automation suites.

SKILLS

- **Programming Languages**: Python, R, JS, Go(Basics).
- **Machine Learning & AI**: Natural Language Processing (NLP), PyTorch, TensorFlow, Scikit-learn, Retrieval Augmented Generation (RAG)
- **Data Management & Analysis**: Data Crawling, Data Extraction, Data Preprocessing, Data Mining, MLflow, End-to-end performance monitoring (Data Quality, Anomaly Detection, Data Drift), Pandas, NumPy
- **DevOps & CI/CD**: Jenkins, GitHub Actions, Azure DevOps, Docker, Git, Terraform
- **Cloud Platforms**: AWS (ECR, ECS, Sagemaker), Azure (Red Hat OpenShift, Databricks)
- **Backend & Software Development**: FastAPI, Django, Flask
- **Build & System Tools**: Linux, CMake, Pytest.
- **Languages**: English (Business Fluent), German (Conversational)

EDUCATION

Indian Institute of Management, Kozhikode - India   **Jun 2021 - Apr 2023**
Executive Post Graduate Programme in management - Data and Marketing

Anna University, Chennai - India   **Aug 2012 - Apr 2016**
Bachelor of Engineering - Mechanical

Indian Institute of Science, Bengaluru - India   **Feb 2023 - Dec 2023**
PG-Level Advanced Certification Programme in AI and MLOPs

CERTIFICATIONS & TRAININGS

AWS Certified Machine Learning - Specialty - (T6E3E1QL5NF4QLGR)
Databricks Certified Machine Learning Associate - (130232698)