NARENDER SURABHI

AI Solutions Architect

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SUMMARY

AI/ML engineer with 15+ years in healthcare IT and 9+ years building and operationalizing ML systems. Delivered >$15M annual savings with FWA detection, led cross-functional AI initiatives, and productionized models on AWS SageMaker and Bedrock.

SKILLS

Machine Learning AI:

- Supervised and Unsupervised Modeling

- Anomaly Detection

- LLM Integration

- Retrieval-Augmented Generation (RAG)

- Agentic AI Systems

Cloud Data Engineering:

- AWS SageMaker

- AWS Bedrock

- AWS Glue

- AWS Lambda

- Amazon Redshift

- PySpark

Programming Tools:

- Python

- PyTorch

- Scikit-learn

- SQL/PLSQL

- Git

- Docker

MLOps Deployment:

- Model Productionization

- Pipeline Automation

- CI/CD

- Monitoring and Alerting

- SageMaker Clarify

PROFESSIONAL EXPERIENCE

Acentra Health - Okemos, MI Dec 2016 - Present

AI Solutions Architect / Software Engin**eer**

- Designed and deployed end-to-end ML pipelines for FWA detection, increasing coverage by 20% and reducing improper claim payments by $15M+ annually.

- Engineered a real-time pre-payment claim review service, boosting review efficiency by 30% and enabling proactive intervention.

- Productionized unsupervised anomaly detection and supervised classifiers using SageMaker, PyTorch, and Scikit-learn.

- Partnered with product, engineering, and compliance to launch, monitor, and continuously improve AI features.

Key Initiatives:

- Program Intelligence - Predictive FWA analytics with supervised/unsupervised models, +15% detection accuracy.

- AuditStudio (North Dakota SURS) - PCA/KMeans audit scoring pipelines, statewide fraud analytics.

- ClaimsSure - Predictive + rules-based pre-pay validation, reduced false positives and improved reviewer trust.

Infosys Limited - Los Angeles, CA Jan 2013 - Jan 2016

**Senior Associate Consultant**

- Enhanced healthcare platforms for CMS/state compliance, increasing throughput by 15%.

- Built PL/SQL procedures, triggers, and views to streamline data processing and reduce manual effort.

- Coordinated requirements, QA/UAT, and deployments to deliver compliant releases on schedule.

Syntel Limited - Pune, India Jan 2010 - Jan 2013

**Programmer Analyst**

- Extended TriZetto healthcare application to improve reliability and scalability.

- Automated FedEx eDD integration, reducing manual effort by 40%.

- Collaborated with QA and ops to resolve production issues and improve performance.

Cognizant - Hyderabad, India Sep 2007 - Jan 2010

**Programmer**

- Supported HealthPAS system integration and credentialing workflow automation.

- Implemented scripts to reduce credentialing cycle time and improve uptime.

KEY PROJECTS

- Program Intelligence (2022-2023): Real-time supervised and unsupervised ML models, +15% fraud detection accuracy.

- AuditStudio (ND) (2021-2022): Spark + SageMaker audit scoring pipelines, -20% manual analysis.

- ClaimsSure (Realtime) (2020-2021): Pre-pay anomaly detection with ML + rules-based logic, +10% coverage.

EDUCATION

B.Sc. Mathematics, Physics, Electronics

Nizam College, Hyderabad, India

CERTIFICATIONS

- AWS AI Practitioner (2025)

- ML Certification (2022)

AWARDS

- Sports Award (2023)