**NARENDER SURABHI**

**AI Solutions Architect**

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**SUMMARY**

Innovative AI/ML Engineer with 15+ years in healthcare IT and 9+ years designing, scaling, and operationalizing AI-powered solutions. Proven ability to lead product-oriented AI initiatives, architect end-to-end pipelines, and build agentic AI systems that improve decision-making and reduce costs. Strong track record collaborating across product, engineering, and business teams to deliver high-visibility features and mentor engineering talent.

## **SKILLS**

### **Machine Learning & AI:**

* Supervised and Unsupervised Modeling
* Anomaly Detection
* LLM Integration

### **Cloud & Data Engineering:**

* AWS SageMaker
* AWS Bedrock
* AWS Glue

### **Programming Tools:**

* Python
* PyTorch
* Scikit‑learn

### **MLOps & Deployment:**

* Model Productionization
* Pipeline Automation
* SageMaker Clarify

## **EXPERIENCE**

### **Acentra Health - Okemos, Michigan**

### **Software Engineer (AI Solutions Architect)**

#### Dec 2016 - Present

* Designed and deployed end‑to‑end AI/ML pipelines for fraud, waste, and abuse detection, boosting detection coverage by 20% and cutting improper claim payments by $15M+ annually
* Engineered real‑time pre‑payment claim review system that increased review efficiency by 30% and enabled proactive fraud intervention
* Built and productionized unsupervised anomaly detection and supervised classification models using SageMaker, PyTorch, and Scikit‑learn, automating eligibility and billing pattern checks

Key Initiatives:

* Program Intelligence – Engineered supervised/unsupervised models for predictive FWA analytics, improving detection accuracy by 15%
* AuditStudio (North Dakota SURS) – Built post‑payment audit scoring pipelines using PCA/KMeans, scaling statewide fraud auditing
* ClaimsSure Product – Deployed predictive and rules‑based ML models for pre‑pay claim validation, reducing false positives and increasing trust

### **Infosys Limited - Los Angeles, CA**

### **Senior Associate Consultant**

#### Jan 2013 - Jan 2016

* Enhanced healthcare IT platforms to meet CMS and state compliance, raising data throughput by 15%
* Designed and implemented PL/SQL procedures, triggers, and views that streamlined data processing and reduced manual effort
* Coordinated cross‑functional requirement gathering, QA/UAT, and production deployments, ensuring timely delivery of compliant solutions

### **Syntel Limited - Pune, India**

### **Programmer Analyst**

#### Jan 2010 - Jan 2013

* Developed and extended core TriZetto healthcare enterprise application, improving system reliability
* Automated FedEx eDD integration, cutting manual effort by 40%
* Collaborated with QA and operations teams to resolve production issues and enhance performance

### **Cognizant - Hyderabad, India**

### **Programmer**

#### Sep 2007 - Jan 2010

* Supported HealthPAS system integration, ensuring seamless credentialing workflow automation
* Implemented scripts to automate credentialing processes, reducing processing time
* Provided maintenance and troubleshooting, maintaining system uptime

## **PROJECTS**

### **Program Intelligence 2022-2023**

* Deployed supervised and unsupervised ML models for real‑time fraud detection, improving detection accuracy by 15%.

### **AuditStudio (ND) 2021-2022**

* Engineered Spark + SageMaker pipelines for post‑payment audit scoring, reducing manual processing effort by 20%.

### **ClaimsSure (Realtime) 2020-2021**

* Designed pre‑pay anomaly detection pipelines integrating ML and rules‑based logic, boosting coverage by 10%.

## **EDUCATION**

### **Nizam College, Hyderabad, India**

B.Sc. Mathematics, Physics, Electronics

## **CERTIFICATIONS**

* AWS AI Practitioner (2025)
* ML Certification (2022)

## **AWARDS**

* Sport Award 2023