

Jinank Thakker

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ABOUT

Senior Software and Machine Learning Engineer with 10+ years of experience building scalable software systems, machine learning pipelines, and production AI applications.

EXPERIENCE

Graduate Research Assistant

SUNY Polytechnic Institute

Utica, NY

Jan 2025 – Present

- Designed ML pipelines using Python, scikit-learn, and transformers for financial text analytics
- Built reproducible ML workflows improving experimentation speed by 35%
- Developed dashboards using Streamlit and Power BI
- Integrated ML models into analytics systems
- Mentored 90+ students in ML and data analytics

Senior Software Engineer / ML Engineer

Rethinksoft

India / Dubai

Mar 2016 – July 2024

- Built full-stack AI applications using React, TypeScript, Node.js, Python, and microservices
- Designed high-throughput APIs improving response time by 35%
- Implemented authentication systems (JWT, RBAC) and validation layers
- Developed ETL pipelines and optimized databases reducing processing time by 40%
- Migrated systems to AWS using Docker and CI/CD achieving 99.9% uptime

Software Developer

Openxcell Technolabs

Ahmedabad, India

Mar 2013 – Mar 2016

- Founding engineer for Orderhive platform supporting 1,500+ global merchants
- Built scalable backend APIs and ecommerce integrations
- Improved system performance by 40% through database optimization
- Contributed to \$45M acquisition (Cin7)

PROJECTS

AI Job & Internship Assistant (Codex Creator Challenge)

Apr 2026 – Present

Built AI platform to automate job tracking, LinkedIn outreach, and personalized email generation, reducing manual effort significantly. URL: <https://rethinkjobs.tech>

GNSS Spoofing Detection (Transformer-based)

Jan 2026 – Present

Developing transformer-based time-series models to detect GPS spoofing attacks for navigation security applications.

Patent Phrase Matching (DeBERTa)

Feb 2025 – May 2025

Built NLP pipeline achieving 90%+ accuracy with full ML workflow including preprocessing, training, and deployment.

EDUCATION

SUNY Polytechnic Institute, Utica, NY

MS in Data Science & Analytics (GPA: 3.96/4.00)

Aug 2024 – May 2026

Projects: GNSS Spoof Detection, US Patent Publications Matching Analysis using DeBERTa model, Grena Conversational AI

Courses: Machine Learning, Deep Learning, NLP, Data Visualization, Statistical Inference, Big Data Analytics

Gujarat Technological University, India

BE in Computer Engineering

2009 – 2013

SKILLS

Languages: Python, TypeScript, JavaScript, Java, PHP, SQL, R

ML/AI: PyTorch, TensorFlow, Transformers, scikit-learn, RAG

Backend: Node.js, Express, REST APIs, GraphQL, Microservices

Cloud & DevOps: AWS, Docker, CI/CD, GitHub Actions

AWARDS

SUNY Poly Academic Award, *SUNY Polytechnic Institute* 2026

Burger King Foundation Scholar, 2025

Developer of the Year, *Openxcell Technolabs* 2015

CERTIFICATIONS

Improving Deep Neural Networks – DeepLearning.AI, *March 2026*

Neural Networks and Deep Learning – DeepLearning.AI, *Feb 2026*

Deep Learning and Reinforcement Learning- IBM, *July 2025*

Supervised Machine Learning – DeepLearning.AI, *July 2025*