

RAJESH NANDIPATY

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PROFESSIONAL SUMMARY

Machine learning engineer with a background in biology, healthcare innovation, and AI/ML. Ran a private practice's revenue cycle end-to-end, including a multi-million-dollar exit. Currently converting clinical and billing workflows into deliverable models. Seeking applied machine learning or data science roles in clinical documentation, decision support, and health-tech.

EDUCATION

Master of Engineering in Artificial Intelligence and Machine Learning

The George Washington University | Washington, DC | May 2026

- **Relevant Coursework:** Natural Language Processing, Intro to Computer Vision, Applied Machine Learning, Cloud Computing & Security, Autonomous Systems and Robotics, Python Applications in Data Analytics, Quantitative Foundations in AI, Program and Project Management, AI: Law and Ethics.
- **Capstone:** Multi-task BERT-based classification model for triaging digital marketplace reviews. Owned evaluation and error analysis for a multi-task BERT triage model (12,000 reviews, 4 classes); reported 0.83 weighted-F1 at 82% accuracy and diagnosed adjacent-class confusion via TF-IDF centroid similarity.

Master of Healthcare Innovation

Arizona State University | Tempe, AZ | Dec 2021

Bachelor of Science in Biology

University of Texas Rio Grande Valley | Edinburg, TX | May 2019

TECHNICAL SKILLS

Machine Learning: PyTorch, Scikit-learn, Transformers, XGBoost. Experience with model evaluation methodology, error analysis, and statistical assessment of classification systems. **Programming & Systems:** Python, SQL, Bash, Git, Linux Administration, Jupyter, NumPy, Pandas, Matplotlib. **Methods:** Classification model evaluation (precision/recall/F1, confusion matrices, MAE), error analysis, statistical inference, cross-validation. **Spoken Languages:** English (Native), Telugu (Native), Spanish (Proficient).

PROFESSIONAL EXPERIENCE

Administrator | *The Pediatric Clinic* | Weslaco, TX | Jan 2021 – Jan 2025

- **Led** operational stabilization and infrastructure modernization of a private pediatric practice over four years, bridging legacy clinical operations with modern business processes to prepare the practice for sale.
- **Managed** the full revenue cycle and billing operations for a high-volume pediatric patient base, improving financial operations and billing accuracy.
- **Directed** the practice's multi-million-dollar sale end-to-end, including valuation, bank loan financing, tax strategy for the founding physician's exit, and coordination with legal counsel and multi-party stakeholders through a transition that preserved continuity of care for the community.

Graduate Student Intern | *Mayo Clinic and ASU Health Care Accelerator* | Scottsdale, AZ | March 2023

- **Selected** as 1 of 11 interns from a highly competitive pool of 250 applicants to support 9 elite healthcare startups within the Mayo Clinic ecosystem.
- **Contributed** to a "Judges' Vote" pitch competition win for Memory Lane Games; **prototyped** OpenAI API integration for gamified cognitive therapy content targeting Alzheimer's and dementia patients.

PROFESSIONAL AFFILIATIONS

- **Memberships:** Engineering in Medicine and Biology Society (**IEEE EMBS**), Association for the Advancement of Artificial Intelligence (**AAAI**), Healthcare Information and Management Systems Society (**HIMSS**).