

Jeevan Naidu

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Education

ITM Skills University

2023 – 2027

B.Tech. Computer Science & Engineering

CGPA: 9.58/10

Relevant Coursework: Probability & Statistics • Linear Algebra • Machine Learning • Data Structures & Algorithms • Operating Systems • Database Systems

Research Interests

Machine Learning • Neuro-Symbolic AI • Reasoning & Knowledge Representation • Uncertainty & Epistemic Reasoning • Mathematical Foundations of ML • Computational Systems

Research & Projects

Episteme — Proof-Carrying Defeasible Reasoning

Research Page

- Developing a modular research prototype for transparent and auditable defeasible reasoning, separating parsing, belief representation, argument construction, and reasoning.
- Designed proof-carrying inference traces that record supporting beliefs, competing arguments, defeat decisions, provenance and replay information.
- Developing controlled benchmarks for evaluating reasoning accuracy, determinism, replayability, failure localization and auditability.

Loom — C++ Systems & Machine Learning Workbench

Website

- Developing an interactive C++ computational environment for systems programming, scientific computing and machine learning experimentation.
- Designed a persistent execution model in which definitions, variables and program state remain available across notebook cells.
- Exploring native compilation, incremental execution and high-performance numerical workflows using C++ and linear-algebra libraries.

Nirukti — Indian Knowledge Systems Archive

Website

- Building a digital platform for organizing, preserving and exploring textual knowledge from Indian Knowledge Systems.
- Developing structured search, indexing and retrieval workflows for Sanskrit and Indian-language textual collections.
- Exploring computational representations for connecting terminology, concepts and relationships across heterogeneous historical sources.

Experience

Co-Founder & Chief Technology Officer — KONVO

Jun 2025 – Present

- Developing infrastructure for real-time voice communication and conversational AI applications.
- Working on communication transport, session management, media processing and backend services for real-time systems.
- Building AI-assisted workflows for transcription, summarization and conversational analysis.

Software Developer Intern — ITM Skills University

Jul 2025 – Nov 2025

- Developed software workflows for digitizing institutional reporting and administrative processes.
- Implemented access control, centralized data management and reporting functionality.
- Developed backend services and dashboards supporting institutional operations and analysis.

Strategy & Research Analytics Intern — Network18

Jun 2024 – Oct 2024

- Developed multilingual data-processing pipelines for analyzing real-time news content.
- Worked on Kannada NLP workflows involving Named Entity Recognition and sentiment analysis.
- Optimized processing workflows, reducing end-to-end processing time to approximately 9 seconds.

Technical Skills

Programming: Python • C++ • SQL • Java

Machine Learning: PyTorch • scikit-learn • Transformers • NLP

Scientific Computing: NumPy • SciPy • Pandas • Matplotlib • Eigen • DLib • MLShark

Systems: Linux • Docker • Git • CMake • REST APIs

Databases: PostgreSQL • MongoDB