

Kundan Sagar Bedmutha

AI Researcher & Engineer — Explainable AI · Multi-Agent Systems · Healthcare AI

Pune, Maharashtra, India · kundanbedmutha27@gmail.com · github.com/kundanbedmutha · [linkedin.com/in/kundanbedmutha](https://www.linkedin.com/in/kundanbedmutha)

Google Scholar · Kaggle · ORCID: 0009-0000-4391-3107

EDUCATION

B.Tech, Artificial Intelligence & Data Science

Vishwakarma University, Pune, India · Expected 2027 · CGPA 8.20 (through Semester 6)

EXPERIENCE

AI Research Intern — Drug Discovery

Novae Healthcare Pvt Ltd, Pune, India · June 2026 – Present

Applying machine learning and predictive modelling to pharmaceutical drug discovery — developing AI models to identify therapeutic compounds with potential efficacy in future treatment pipelines.

Research Collaboration

Mentor: Prof. Rajkumar Jagdale, Vishwakarma University · 2023 – Present

Independent research across Explainable AI, LLMs, Multi-Agent Systems, NLP, Ethical AI, and Healthcare AI — 6 works published at IEEE conferences and IGI Global, with additional papers under review.

PUBLICATIONS

Bedmutha, K. S., & Jagdale, R. S. (2026). Causal-Counterfactual Explainable AI for Actionable Decision Support. *IC3SIS 2026*, IEEE.

Bedmutha, K. S., & Jagdale, R. S. (2026). Hybrid Multilingual Transformer and Linguistic Feature Fusion for Apology Sincerity Detection. *ICETICS 2026*, IEEE.

Jagdale, R. S., & Bedmutha, K. S. (2026). Artificial Glia-Inspired Stabilization for Reliable Deep Reinforcement Learning Decision Intelligence. In *Brain-Inspired Cognitive Mechanisms for AI-Enhanced Decision Intelligence*, IGI Global.

Bedmutha, K. S., & Jagdale, R. S. (2026). Trust Without Exposure: Zero-Knowledge Proofs and the Mitigation of the Transparency Paradox in High-Risk Supply Chains. In *Navigating Accountability and Human Rights in AI-Powered Supply Chains*, IGI Global.

Bedmutha, K. S., & Jagdale, R. S. (2026). Bridging the 'Valley of Death': An Integrated Technology Transfer Framework for AI-Driven Personalization in Commercial Ecosystems. IGI Global.

Bedmutha, K. S., & Jagdale, R. S. (2026). The KPI Paradox: Aligning Management Control Systems With Behavioral Agility for Sustainable Innovation. In *Behavioral Perspectives on Organizational Performance, Learning, and Innovation*, IGI Global.

Plus 5 additional papers and book chapters accepted or under review. Full list with DOIs: kundanbedmutha.dev/research.html

AWARDS & HONORS

3rd Place — Machine Learning Track, Navratri Codethon 2025

Vishwakarma University, Department of AI

Datasets Expert — Kaggle

Rank 251 of 9,668 globally (Top 2.6%) · 885 total upvotes across 18 published datasets

SKILLS

AI / ML	Large Language Models, RAG, Agentic AI, Explainable AI, Multi-Agent Systems, NLP, Deep Learning, Reinforcement Learning, Generative AI, Causal Inference, Neuro-Symbolic AI, Computer Vision, Prompt Engineering, MLOps
Languages	Python, C, C++, C#, Java, JavaScript, HTML, SQL
Frameworks & Libraries	PyTorch, LangChain, HuggingFace, Scikit-learn, FastAPI, React.js, Express.js, OpenAI API, Captum, XAI-Unify
Tools & Platforms	GitHub, Kaggle, Google Colab, MLflow, ChromaDB, Streamlit, Power BI, Linux