

Mumbai, India

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"Determined AI researcher focusing on Explainability, LLMs, AI Agents and Multi-Modal systems; author on multiple peer-reviewed submissions."

Education

SVKM's D. J. Sanghvi College of Engineering

B.Tech in Computer Engineering (Honors: Intelligent Computing) CGPA: 9.29 / 10.0

Nov 2022 - Jun 2026

Mumbai, India

Mumbai Junior College of Arts, Commerce and Science

HSC — Science (Computer Science) 12TH: 91.5%, MHTCET RANK 719 / 200K+

Mumbai. India

Jun 2019 - May 2021

Experience

BrandContext.ai Hybrid, Mumbai, India

Al Intern Mar 2025 – Aug 2025 • Finetuned an LLM-driven automation framework that generates and executes Playwright actions for web workflows (Looker Studio, Hootsuite).

- · Built Al-agent supervisor dashboards with dynamic graphs and real-time factory DBs for anomaly detection and conditional worker-input handling.
- Productionized CV pipelines for retail (age/gender, queue, theft); fine-tuned YOLOv11 for multi-class detection (logo, furniture, security) for Xiaomi.
- Implemented legally-compliant speaker-diarization pipelines for sales calls using Speech Brain and Eleven Labs for robust speaker labeling and analytics.

Indian Institute of Technology, Patna

Remote, Patna, India

Oct 2024 - May 2025

RESEARCH INTERN (UNDER DR. PRABHAT BHARTI)

- Designed MetaSearch, a search-augmented reasoning agent for meta-reviews combining disagreement detection with fact-grounded synthesis.
- Annotated 900+ ICLR reviews and built an LLM argumentation evaluation pipeline across Llama3.1 / Gemini2 / GPT-40 Cohen's Kappa = 0.834.
- Proposed a heuristic framework (Cognitive Load & Discourse Analysis) to optimize peer-review length via information-density metrics.

Nvelop Technologies Oy

Remote, Helsinki, Finland

Al Intern

- Aug 2024 Feb 2025 Authored a whitepaper for LLM-based requirement generation; benchmarked DeepSeekR1, GPT4o, Gemini2.0, LLaMA3.2 on BLEU/LevenShtein/Jaccard.
- Developed RAG pipelines in Azure PromptFlow for 50+ RFPs; optimized chunking/sampling to reduce perplexity ≈15% and improved retrieval relevance
- Produced a comprehensive 70-page technical documentation mapping AI APIs (Insomnia) to frontend (NextJŚ) integration.

UIUC+ Summer Research Program

Remote, Urbana-Champaign, USA

RESEARCH ASSISTANT (UNDER PROF. DARKO MARINOV)

Jun 2024 - Jul 2024

• Examined C to Rust transpilation challenges (VERT+5 papers), and analyzed LLM-generated code to categorize bugs, improving evaluation frameworks.

PavePilot AI

Remote, San Francisco, USA

PYTHON (LLM) DEVELOPMENT INTERN Jun 2024 – Jul 2024 · Built an Al-driven marketing content pipeline: evaluated image models (BRIA, Stable Diffusion, Midjourney); produced platform-specific prompt guides.

Publications

Dynamic Optimization of Peer Review Length Using Information Density Analysis

Scientometrics

BiasChain: A Multi-Agent LLM Framework for Justified Peer Review Bias Detection

2025

UNDER REVIEW

MetaSearch: Search-Augmented LLM with Reasoning for Consensus Resolution in Peer Review

Scientometrics

Projects

DigniFy AI-POWERED MULTIMODAL HATE SPEECH DETECTION

HuggingFace, TensorFlow

Mobile app for multilingual hate detection (text/image/audio/video); fine-tuned DistilRoBERTa + custom CNN (hate symbols) and OCR + STT pipelines.

• Integrated an AI Agent that orchestrates models as tools and compared outputs across DeepSeek R1, GPT-40, Gemini 2.0 and LLaMA 4.0 for evaluation. **Optima**

HEALTHCARE ANALYTICS SYSTEM

OpenCV. FastAPI

• Real-time asthma inhaler usage analysis (posture detection, shake tracking, pump-to-face distance calculation) to provide patient behavior insights.

Skills

Coursework: AI, ML, NLP, Deep Learning, Data Structures & Algorithms, OS, Advanced DBMS, Data Warehousing & Mining

Languages:

Python, C/C++, SQL, LaTeX, Java, Rust, JavaScript

Frameworks:

TensorFlow, Keras, PyTorch, OpenCV, NLTK, FastAPI,

Tools:

Azure AI, Google Cloud Platform, Docker, Linux, Overleaf,

Transformers, HuggingFace, scikit-learn, Streamlit

CS50P (Harvard University), The Odin Project

Profiles:

Git, Google Colab, Kaggle CodeChef, LeetCode, HackerRank

Certifications:

Awards

2025	Selected Mentee , sktime	Mentoring Program (Unde	er <u>Dr. Franz Kiraly</u>)	
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Standardized Test Scores, GRE: 332/340 (Q: 170, V: 162, AWA: 4.0), TOEFL: 112/120 (R: 29, L: 29, S: 25, W: 29) 2025

All India Rank 499 / 50K+, GATE Data Science & Al 2025

International

International

Rank 292 / 75K+, Amazon ML Challenge 2024

2024 Top 100 / 1000+ Teams, Rajasthan Police Hackathon (ML Lead)

Winner / 50+ Teams, CodeBounty 2024 (Competitive Programming) 2024

Mumbai