

# Vishisht Mishra

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## SUMMARY

Final-year CSE student building LLM systems: multi-tenant RAG platforms, tool-calling pipelines and an open-source AI safety library (8.52K+ PyPI installs), with research experience in low-resource neural machine translation.

## EDUCATION

### Central University of Haryana

*B.Tech. in Computer Science and Engineering*

• **CGPA:** 8.11 / 10.0 (latest SGPA: 8.78) | **GATE 2026 Qualified:** score of 488 in CS/IT, earned in 3rd year

Mahendragarh, HR

*Aug. 2023 – July 2027*

## TECHNICAL SKILLS & CERTIFICATIONS

**Languages & Frameworks:** Python, SQL, TypeScript, PyTorch, Hugging Face Transformers, FastAPI

**LLM Systems:** LangChain, LangGraph, RAG, Tool Calling, Vector Search, RLHF, Prompt Engineering

**Modeling:** Neural Machine Translation, GNNs, Autoformer, Transfer Learning, Time-Series Forecasting

**Infra & Data:** Docker, Kubernetes, Azure OpenAI, Azure AI Vision, GCP, PostgreSQL, Redis, MongoDB

**Certifications:** Oracle AI Vector Search Professional, OCI AI Foundations Associate, GCP Associate Cloud Engineer

## EXPERIENCE

### NLP Research Intern

*Jawaharlal Nehru University (JNU)*

June 2026 – Aug. 2026

*New Delhi*

- Researched low-resource neural machine translation with faculty of JNU and Central University of Haryana, training on the Param RUDRA supercomputer (via IUAC); models outperformed baseline BLEU and chrF scores.

### AI/ML Engineer

*Tohund Guide Business Consultants, Bangalore*

Feb. 2026 – Mar. 2026

*Remote*

- Rebuilt a multi-tenant RAG platform letting enterprise clients configure AI assistants over their own documents.
- Added web search and tool calling, cutting hallucinations and improving query routing by ~70–80%.

### Artificial Intelligence Intern

*Planto AI, Singapore*

Feb. 2025 – Apr. 2025

*Remote*

- Built a proof-of-concept RAG copilot for code understanding and generation over enterprise codebases.

**Software Engineer**, Fuzzy Nodes – fleet & ERP platform with RAG-based stock querying

Oct. 2025 – Jan. 2026

**Azure Cloud Engineer**, Luxury In Taste – Azure OpenAI & AI Vision integration

May 2025 – Nov. 2025

**AI Trainer (RLHF)**, Outlier AI – LLM output evaluation in math, science & code

Sep. 2024 – Jan. 2025

## PROJECTS

**HumaneProxy** | *Python, PyPI, MCP, FastAPI, SQLite, PostgreSQL, Redis*

Apr. 2026 – Present

- Built and maintain an open-source AI safety middleware for LLM chat platforms, with a 3-stage classification pipeline that detects self-harm and criminal intent; 8.52K+ installs on PyPI.
- Trained a custom model; benchmarked the framework at 92% recall (SimpleSafetyTests) and 1.2% FPR (XSTest).
- Added an MCP server (bearer auth), swappable storage and a REST admin API with webhook alerts.

**PRESTO: Satellite Error Forecasting** | *PyTorch, Transformers, OpenLTM*

Oct. 2025

- Designed a hybrid GNN + Autoformer model for GNSS satellite ephemeris and clock error forecasting, using multi-stage transfer learning to handle extreme data scarcity; 3rd place, Gateway to Smart India Hackathon.
- Augmented data 100x using a fine-tuned LTM, reaching near-Gaussian residuals (Shapiro-Wilk  $p > 0.05$ ).

## ACHIEVEMENTS & LEADERSHIP

- **INR 2,00,000 in DoT Grants:** Awarded INR 1,00,000 twice (2025, 2026) by DoT, Govt. of India and TCIL as a 5G Innovation Hackathon national finalist; led prototype development of “AI Subtitle Glasses”, an edge-AI wearable for the hearing impaired, and research applying PRESTO to 5G NTN.
- **Responsible Disclosure:** Reported a data exposure affecting 170,000+ people at GirlScript Foundation (logged by CERT-In – Ref: CERTIn-97826626, UK ICO – Ref: IC-531108-L5K5 and Singapore PDPC – Ref: 00667204), and 4 Critical and 8 High severity vulnerabilities to Z.ai (Zhipu AI).
- **Lead, Google Developer Groups on Campus** (Aug. 2025 – Aug. 2026): led the university’s developer community.