HARSH RAWTE

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EXPERIENCE

S3K Technologies — **June 2025 – Present**
AI Intern (Remote) — *New Jersey, United States*

- Delivered a proprietary Medical Protocol Writer automating clinical trial protocols from IB and templates, leveraging agentic RAG, storage, caching, authentication, and human-in-the-loop validation, reducing medical writer effort by 70%.
- Led a commercial AI course with agentic AI labs using LangChain, LangGraph, CrewAI, and Langflow.

Suvidha Foundation — **April 2025 – May 2025**
ML Research Intern (Remote) — *Nagpur, India*

- Researched AI-driven pedagogy by reviewing 70+ papers; proposed a RAG-based Transformer model that improved personalized LLM-powered learning outcomes by 60%.
- Designed a research-backed LLM chatbot framework, enhancing personalization and AI literacy for 500+ learners.

PROJECTS

PrepNexus ⤢ | Transformers, HuggingFace, PyTorch, Scikit-learn, LangChain — **March 2025**

- Designed an AI-driven Resume Analysis system leveraging a fine-tuned RoBERTa model to accurately recommend optimal job roles based on candidate profiles.
- Architected an intelligent interview chatbot using LangChain and ChromaDB, leveraging LLaMA-3 (8B) to generate context-aware, real-time technical interview questions and answers.
- Implemented an automated job scraping pipeline using BeautifulSoup to extract and present up-to-date, role-specific job listings from Indeed, enhancing candidate job search efficiency up to 40%.

SelectifyAi ⤢ | NLP, TF-IDF, Cosine Similarity, Fuzzy Matching — **January 2025**

- Built an AI-powered Resume Screening tool to boost recruitment efficiency, achieving 85% accuracy using Logistic Regression for classification and RoBERTa-based semantic similarity for candidate-job matching.
- Applied TF-IDF vectorization with spaCy-based NLP preprocessing leveraging lemmatization and stop-word filtering to extract key resume features for effective filtering.
- Integrated fuzzy string matching for skill relevance scoring and cosine similarity with contextual embeddings.
- Utilized batch processing and multithreading to efficiently process 50+ resumes at scale.

FinVerse ⤢ | React.js, Express.js, MongoDB, Python, PyMuPDF, RAG — **April 2025**

- Developed a full-stack GenAI-powered personal finance platform delivering real-time financial guidance via intelligent chatbot with secure Gmail-based authentication.
- Engineered an LLM-driven personalized quiz system with Gemini 2.5 Flash, LangChain, and RAG architecture, delivering contextual learning experiences that boosted financial literacy by 60%.

EDUCATION

Vidyalankar Institute of Technology — **2022 – 2026**
B.Tech in Information Technology with Specialization in AI/ML(Honors) – **CGPA: 9.61** — *Mumbai, India*

TECHNICAL SKILLS

- **Languages:** Java, Python, JavaScript.
- **Web Development:** HTML, CSS, Python (Flask), Node.js, Express.js, React.js, Next.js, Tailwind CSS.
- **Deep Learning:** TensorFlow, PyTorch, Keras, Scikit-learn, Hugging Face Transformers, LSTM.
- **Natural Language Processing:** Tokenization, Lemmatization, TF-IDF, Cosine Similarity, PDF processing.
- **Databases:** MySQL, PostgreSQL, MongoDB, Supabase.
- **Additional Technologies:** Git (Version Control), Docker, Jenkins, AWS, LangChain, LangGraph, AI Agents.

CERTIFICATIONS

- Complete Data Science, ML, DL, NLP Bootcamp – Udemy.
- Data Mining – Great Learning.
- Web Development using Python – CDAC Pune.
- Career Edge - Young Professional – TCS.

ACHIEVEMENTS

- Recognized as **"Best Intern of the Month"** (July) at S3K Technologies for exceptional performance and contribution.
- Invited by Ready Tensor to publish a technical article on **PrepNexus : Cracking Interview with AI**.
- Achieved 8th rank among 100+ teams in the college hackathon, qualifying for the Smart India Hackathon National Round.