HARSH RAWTE

Mumbai, Maharashtra

📞 +91-7045301344 ✉ harshrawte.dev@gmail.com 🔗 LinkedIn ⬡ GitHub 🌐 Portfolio

EXPERIENCE

Suvidha Foundation   **03 2025 – 05 2025**
ML Research Intern (Remote)   *Mumbai, India*
- Researched AI-driven pedagogy by reviewing 70+ papers; proposed a RAG-based Transformer model for personalized LLM-powered learning.
- Designed a research-backed LLM-based educational chatbot framework focused on personalization and AI literacy.

PROJECTS

PrepNexus ⤢ | Python, Transformers, HuggingFace, PyTorch, Scikit-learn, LangChain, PyPDF2, bs4 **4 2025**
- Designed an AI-driven Resume Analysis system leveraging a fine-tuned RoBERTa model to accurately recommend optimal job roles based on candidate profiles.
- Engineered 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, Transformers, TF-IDF, Cosine Similarity, Fuzzy Matching, Scikit-learn **01 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 to assess candidate fit against job descriptions.
- Scaled to handle 100 resumes at once via batch processing and multithreading, boosting shortlisting accuracy.

FinVerse ⤢ | React.js, Express.js, Python, PyMuPDF, RAG **04 2025**
- Developed a full-stack GenAI-powered personal finance platform that delivers real-time financial guidance through an intelligent chatbot, with secure user authentication via Gmail.
- Leveraged Google Gemini API, LangChain, and RAG architecture to enable document-based QA, personalized insights, contextual interactions, and financial literacy quiz improving user literacy up to 60%.
- Built with React.js frontend and Flask, Express.js backend for scalability; future enhancements include real-time virtual stock market integration with advanced features.

EDUCATION

Vidyalankar Institute of Technology   **2022 – 2026**
*B.Tech in Information Technology with Specialization in AIML(Honors) – **CGPA: 9.15***   *Mumbai, India*

TECHNICAL SKILLS

Languages: Java, Python, JavaScript
Web Development: HTML, CSS, Python (Flask), React.js, Tailwind CSS
Deep Learning: TensorFlow, PyTorch, Keras, Scikit-learn, Hugging Face Transformers, LSTM
Natural Language Processing (NLP): Tokenization, Lemmatization, TF-IDF, Cosine Similarity
PDF Processing: PyMuPDF, PyPDF2
Databases: SQL (SQLite), NoSQL
Tools & DevOps: Git, Visual Studio Code, Docker, Jenkins, Kubernetes, AWS

CERTIFICATIONS

- Complete Data Science, ML, DL, NLP Bootcamp – Udemy
- Web Development using Python – CDAC(ACTS)Pune
- TCS iON Career Edge - Young Professional
- Data Mining – GreatLearning
- Flask Python – GreatLearning

ACHIEVEMENTS

- Invited by Ready Tensor to publish a technical article on **PrepNexus : Cracking Interview with AI**.
- Ranked 8th out of 100+ teams in the internal college hackathon, securing qualification for the national level Smart India Hackathon (SIH).
- Solved 150+ LeetCode problems in DSA and achieved a 4-Star rating in Python on HackerRank.