SHUBH BHINDE

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PROFESSIONAL SUMMARY

- Results-driven ML Engineer with impactful internship experience at Skima AI, an AI Recruitment SaaS company, as an ML Engineer Intern.
- Proven ability in large-scale web scraping and prompt engineering for real-world, multilingual NLP applications.
- Extracted over 600,000 English job descriptions and 10,000+ multilingual job postings using advanced scraping tools, and engineered LLM prompts to evaluate resume-job relevance and auto-generate resumes in 43 languages.
- Fine-tuned a multilingual NER model (Qwen2.5 + Unsloth) for resume parsing, improving accuracy on non-English resumes from 51.3% to 83.2%, enabling global scalability of the platform.
- Skilled in designing scalable data pipelines and deploying models to support intelligent decision-making.

WORK EXPERIENCE

- ML Engineer Intern, Skima AI   Jan 2025 - Oct 2025

EDUCATION

- K. J. Somaiya College of Engineering, Mumbai, India   May 2024 (CGPA 8.68/10)
  Bachelor of Technology in Electronics and Telecommunication Engineering.

SKILLS

- Technical: Prompt Engineering, Web Scraping, Statistics, Machine Learning, Deep Learning, Natural Language Processing, Generative AI, Model Inferencing, Data Visualization.
- Programming Languages: Python (Numpy, Pandas, Scikit-learn, PyTorch, Selenium, BeautifulSoup, Playwright, Requests), SQL.
- Tools: vLLM, HuggingFace, Microsoft Excel, MySQL, Power BI, AWS EC2, AWS S3, Streamlit, LangChain.

PROJECT SUMMARY

1. Project 1: LLM-Based Resume-JD Matching & Resume Generation   Feb 25 - May 25
   Project Type: Professional Project, Skima AI
   Tools & Tech: Prompt Engineering, HuggingFace, vLLM, Python, NLP, Multilingual Models
- Engineered LLM prompts to compute relevance scores, pros, and cons of 1.2 million resumes against the scraped job descriptions.
- Built evaluation framework to validate prompt outputs using both human feedback and heuristics.
- Designed prompts and pipelines to generate 60,000+ synthetic resumes across 43 languages, including Hebrew, Russian, and Korean.
- Ensured diversity and linguistic accuracy in generated data using language-specific embeddings and translation-aware templates.
- Results were used to enhance Skima AI's candidate recommendation and matching algorithms in a multilingual recruitment platform.

2. Project 2: Multilingual NER Model Training for Resume Parsing   June 25 - Aug 25
   Project Type: Professional Project, Skima AI
   Tools & Tech: Unsloth, Prompt Engineering, HuggingFace, vLLM, Python, NLP
- Fine-tuned Qwen2.5 model with Unsloth for the 3rd iteration of the company's NER-based resume parsing system.
- Generated a synthetic dataset of ~50,000 multilingual resumes across 43 languages, including Hebrew, Russian, and Korean to augment existing English-only training data.
- Applied iterative training and evaluation, integrating multilingual and English datasets to enhance generalization across languages.
- Achieved a significant performance boost on multilingual resumes, improving accuracy from 51.3% (v2) to 83.2% (v3) in inference tests.

CERTIFICATION DETAILS

- Imarticus Learning: Postgraduate Certification in Data Science & Analytics