MIZNA RAUF

CS Undergraduate | Full Stack Developer

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GitHub: https://github.com/miznar

EDUCATION

Bachelors of Computer Science
University of Engineering & Technology (UET), Lahore

Nov 2021 - May 2025

INTERNSHIP

Mobile Developer Intern link
On-Site, NetSol Technologies, Lahore, Pakistan

JUN 2025-JUL 2025

- Developed and deployed scalable mobile apps using Flutter & Dart.
- Implemented BLoC architecture for clean state management.
- Integrated FAST APIs and built reusable UI components.
- Collaborated in Agile teams: standups, sprint planning, and code reviews.

ML Intern link
On-Site, Centre of Language Engineering KICS

JUN 2024-AUG 2024

- Built English–Urdu parallel corpus for machine translation.
- Fine-tuned LLMs (Hugging Face, TensorFlow) for low-resource translation.
- Improved dataset quality through annotation, alignment, and preprocessing.

SKILLS

- **Programming Languages:** JavaScript, Dart, Python
- **Mobile Development:** Flutter, REST APIs, SQL, PostgreSQL, MongoDB
- **Machine Learning & AI:** TensorFlow, PyTorch, scikit-learn, Hugging Face Transformers
- **LLMs & NLP:** Fine-tuning, Prompt Engineering, Transfer Learning, Few-Shot Learning, Seq2Seq, Summarization
- **Evaluation:** Accuracy, F1-score, BLEU, ROUGE
- **LLM Pipelines:** LangChain, OpenAI API, Vector Databases (FAISS, Pinecone)
- **Data Handling & Visualization:** Pandas, NumPy, Matplotlib, Plotly
- **Cloud & Deployment:** AWS (basic), Docker, Google Colab, Jupyter
- **Web Scraping & Automation:** BeautifulSoup, Selenium
- **Tools & Collaboration:** Git, Trello, Slack, Figma

PROJECTS

Final Year Project- Urdu-English Translation System for link **Educational Videos**

September 2024 - May 2025

- Developed a full-stack translation system using Django backend and React.js frontend
- Fine-tuned LLaMA-8B for low-resource MT tasks, improved translation accuracy by 60%
- Applied advanced preprocessing, annotation, and evaluation pipelines
- Built a user-friendly web interface for real-time translations

OTHER PROJECTS

- HRIS Mobile App
- AI Code Debugging Tutor (LLM-based)
- Automated Dataset Scraping Pipelines