Vishisht Mishra

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Portfolio | github.com/Vishisht16 | linkedin.com/in/vishisht-mishra

EDUCATION

Central University of Haryana   Mahendragarh, HR
Bachelor of Technology in Computer Science and Engineering   *Aug. 2023 – July 2027*
CGPA: 7.65/10

EXPERIENCE

Artificial Intelligence Intern   Feb. 2025 – Present
Planto AI   *Remote*
- Working on building a personalized copilot for developers in company clients
- Integrating UI designing, software development and AI to create a production level LLM integrated with developer environments

Artificial Intelligence Trainer (Freelance)   Sep. 2024 – Nov. 2024
Outlier   *Remote*
- Used prompt engineering methods to significantly improve LLM performances.
- The projects were RLHF based with a focus on math, science, linguistic and programming tasks.

Open Source Contributor   Sep. 2024 – Nov. 2024
GirlScript   *Remote*
- Worked on ML-based open-source projects
- Contributed to public repositories in a competitive environment
- Created deep learning models for autocorrect, speech emotion recognition, text-to-music generator app and more

PROJECTS

DocBud | *Python, Flask, React, Next, GCP, Docker*   Mar. 2025 – Present
- Developing a full-stack web app to help researchers extract information and answer queries from research papers
- Built an AI model using open-source tools like DONUT for OCR and BigBird-Pegasus for summarization, etc.
- Fine-tuning the model to process research papers with a 4,096-token context window, using the Sliding Window technique for long papers

RESEARCH WORK

Tribal Languages   Feb. 2025 – Present
- Taking on an initiative to bring the lesser-known languages of India into mainstream AI, ensuring these languages are preserved and accessible
- The project involves end-to-end work including data collection, preprocessing, model training with custom algorithms, and deployment to create tools for various purposes
- Collaborating with linguists, this project aims to integrate the underrepresented languages into AI systems and establish a benchmark for any such future endeavors

Tribal Languages   Feb. 2025 – Present
- As a personal project, I'm developing and training a multimodal deep learning model for activity recognition in a classroom environment using a large and diverse dataset
- Main focus of the project is to use Computer Vision and Deep Learning algorithms to automatically detect and categorize classroom activities of students and teachers to automate monitoring and improve classroom management

TECHNICAL SKILLS

Languages: Python, C, C++, SQL, JavaScript
Frameworks: PyTorch, Tensorflow, Hugging Face, Flask
Developer Tools: Git, Docker, Google Cloud Platform, Microsoft Azure, VS Code, Visual Studio
Libraries: pandas, NumPy, Matplotlib, scikit-learn, NLTK, spaCy, OpenCV