

# Vishisht Mishra

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Portfolio | [github.com/Vishisht16](https://github.com/Vishisht16) | [linkedin.com/in/vishisht-mishra](https://linkedin.com/in/vishisht-mishra)

## EDUCATION

### Central University of Haryana

Bachelor of Technology in Computer Science and Engineering

CGPA: 7.65/10

Mahendragarh, HR

Aug. 2023 – July 2027

## EXPERIENCE

### Artificial Intelligence Intern

Planto AI

Feb. 2025 – Apr. 2025

Remote

- Worked on building a personalized copilot for developers at client companies
- Integrated UI design, software development and AI to create a production level LLM integrated with developer environments

### Artificial Intelligence Trainer (Freelance)

Outlier

Sep. 2024 – Nov. 2024

Remote

- Used prompt engineering techniques to significantly improve performance on various LLMs
- The projects were RLHF-based, focusing on math, science, linguistic and programming tasks

### Open Source Contributor

GirlScript

Sep. 2024 – Nov. 2024

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, Google Cloud Platform, Docker

Mar. 2025 – Present

- Developing a full-stack web app to help researchers extract information and answer queries from research papers
- Building an AI model by integrating open-source models 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

### Activity Recognition in Classroom

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