

Ashish Dixit

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Delhi, India



As a undergraduate enthusiastic about Data Science, Machine Learning, Backend Development and AI, My dedication, coupled with hands-on project experience, positions me as a promising candidate ready to contribute effectively.

PROJECTS

Automatic Speech Recognition with Diarization

Model Building - used python and also utilize faster whisper (Ctranslate2 transformer engine) large-v2

Model Implementation - Used python's Streamlit Framework.

Deployment - I have deployed my code using Pyngrok via creating secure tunnelling from Colab localhost to Public URLs. I am using T-4 GPU from Colab to run this project.

Abstractive Text Summarizer

Model Building - Transformer used is "facebook/bart-large-cnn" and using Hugging Face transformer via API

Model Implementation - Using Flask Framework. HTML and CSS to render the template on frontend.

Deployment - On Pythonanywhere

<https://ashish11.pythonanywhere.com/>

SKILLS

Data Science - Scikit-learn, Hugging face, Nltk, Langchain, Opencv, Generative AI, LLM

Development - Flask, Gradio, Streamlit, HTML, CSS

Database - SQL

Languages - Python, java

PROFESSIONAL EXPERIENCE

Bikham Healthcare

Aug 2024 - Present

AI/ML Intern

Works in US Shifts and interacting with US Clients. Involved in backend development projects focused on AI-driven automation, including chatbot development, and integrating APIs for data extraction and task optimization for making credentialing task automated.

IIT Delhi

May 2024 - Nov 2024

Research Intern

Coordinating with frontend team and building a Automatic Speech Recognition API with Diarization capabilities for bilingual speech.

Edulyt India

Jun 2024 - Sep 2024

Data Analyst Intern

Assisting in data cleaning, Sanity checks, analysis, and visualization to support data-driven decision-making and business strategies..

Pantech Prolabs India Pvt. Ltd.

Aug 2023 - Sep 2023

Artificial Intelligence Intern

Mentored junior interns on AI concepts and programming languages. Developed deep learning models with TensorFlow and Keras, optimizing system performance, and provided code debugging assistance.

EDUCATION

Bachelor of Technology

Artificial Intelligence and Data Science
Maharaja Agrasen Institute of Technology, Delhi
8.8 CGPA

2022 - 2025

Diploma

Electronics and Communication Engineering
Guru Nanak Dev Institute of Technology, Delhi

82.9 Percentage

2019 - 2022

RESEARCH PAPER

Comparative Study of Recognition of Textual Data using EAST Model and OCR

- I2OR(International Institute of Organized Research) at 13th Conference of IRSD.
- This research paper aims to improve text recognition in image-based document analysis by integrating the EAST detection model with advanced OCR algorithms, with a focus on enhancing accuracy and efficiency for robust and reliable text extraction.