ADITYA SINGH

Amity University, Uttar Pradesh

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EXPERIENCE

Computer Vision Intern
Oriental InfraTrust

📅 Jul 2024 - Sep 2024   📍 Kanpur, Uttar Pradesh

- Improved **image processing system** achieving clean and **accurate** images
- Implemented **image recognition algorithms** for accurate vehicle recognition and licensce plate recognition
- Conducted analysis on **image capture** and **image processing** to ensure cohesive functionality between different modules

PROJECTS

Speech Transcription and Translation
Tools: Python, Google Colaboratory, Gradio, Hugging Face, Microsoft Visual Studio Code, Git

📅 June 2024   🌐 speechTranscription

- Spearheaded a team to develop and fine-tune a **transformer model** for speech transcription and translation
- Implemented **whisper-large-v3** by OpenAI for ASR via hugging face API, achieving language translation for over 100 languages
- Created a **transcription pipeline**, ensuring transcription of the translated text in the original language in real time.

Sentiment Analysis using IMdB reviews
Tools: Python, Jupyter Notebook, Streamlit, Microsoft Visual Studio Code, Git

📅 Dec 2023   🌐 Sentiment_Analysis_IMdB

- Developed an AI model for the purpose of **Sentiment Analysis**
- Integrated a LSTM model using **keras** to enhance accuracy of the model
- Implemented data preprocessing techniques, including **tokenization and padding**, to handle varying review lengths, enhancing model performance and reliability

EDUCATION

Secondary in Physics, Chemistry and Maths
Bal Bharti School, Prayagraj [CBSE]

📅 Apr 2017 – Mar 2018   🆔 92.83 %

Senior Secondary in Physics, Chemistry and Maths
Bal Bharti School, Prayagraj [CBSE]

📅 Apr 2019 – Jul 2020   🆔 92.50 %

B.Tech in Computer Science and Technology
Amity University, Lucknow

📅 Sept 2021 – June 2025   🆔 8.69

LIFE PHILOSOPHY

"Make Improvements, Not Excuses. Seek Respect, Not Attention."

MOST PROUD OF

🏆 **Hack to Crack 1.0 by Tensorflow Usergroup Lucknow**
Secured **first position** in Local Chatbot category and **second overall**

💓 **Bio-Code@Thon 2023 by Praedictio**
Secured **overall first** by working on problems related to bio-informatics

🏆 **AI-Fusion Hackathon by Pickl.AI**
Secured **first** place among 800+ participants from across India

SKILLS

Languages: C++   Python   SQL   LaTex

Tools and Libraries: Tensorflow 2.X   Git   Neural Networks   PyCharm Community   Visual Studio Code   Streamlit   NumPy   Transformers   Google Colaboratory   PowerBI   Big Query   MS Suite   OpenCV

APIs: Hugging Face Inference API   OpenAI API   Gemini API   Youtube Data API

CERTIFICATIONS

Fundamentals of C++
IBM

📅 June 2022

PCAP - Programming Essentials in Python
CISCO

📅 May 2024

LANGUAGES

English
French
Japanese