

NILESH POPLI

Rishikesh, Uttarakhand

☎ +91 9548241845

✉ nileshpopli23@gmail.com

🌐 [Nilesh Popli](#)

🔗 [nileshpopli](#)

🔗 [Adrenex](#)

EDUCATION

B.Tech (Computer Science and Engineering)

Graphic Era Deemed University (9.3/10)

08/2020 - Present

Dehradun, India

Class - 12th

Delhi Public School, Ranipur (93%)

04/2019 - 04/2020

Haridwar Uttarakhand, India

EXPERIENCE

Genpact Certificate

Intern

02/2024 - Present

Onsite - Hyderabad

- Received extensive training in **Machine learning**, **Deep learning**, **Data analysis**, **Data visualization**, and **GenAI**, developing strong foundational skills in these areas.
- Specialized in data engineering techniques, including **data scraping**, **database management**, **ETL pipelines**, and **AWS** services, ensuring efficient data handling and processing.
- Developed **E-Commerce Customer Experience Insights Platform** leveraging **ETL pipelines** to extract and analyze data from Amazon and Flipkart, delivering actionable insights to enhance customer satisfaction and performance.

Dataorb Certificate

AI-ML Research Intern

05/2023 - 12/2023

Remote - Ahmedabad

- Implemented **audio-to-text transcription** solutions using various APIs for multi-lingual audio, providing a detailed analysis of accuracy and performance.
- Leveraged **LLMs** and **prompt engineering** to extract insights from reviews on **Google Maps** and **PlayStore**, enhancing the understanding of user feedback.
- Developed a solution to extract and mask **Personal Identifiable Information (PII)** from customer-agent interactions, ensuring data privacy and compliance.

PROJECTS

TextMasters: Advanced Text Processing and Interaction Platform 🧠 | Flask, OpenAI, Prompt Engineering, VoiceGain

- Developed a comprehensive Flask-based platform offering text features such as summarization, chatbot, etc.
- Integrated various external APIs to enhance functionalities and employed prompt engineering for text optimization.
- Designed and implemented user-friendly interfaces to ensure accessibility, and deployed the application on EC2 instance.
- Enhanced user experience by ensuring seamless operation of text-related services, resulting in increased user engagement.

Conversational Fashion Text-to-Image Generator 🧠 | OpenAI, HuggingFace, Django, Dbsqlite, React.js, SCSS, Postman

- Leveraged Stable Diffusion XL v1.0 as the base model, fine-tuning it with a custom dataset of fashion images from platforms like Flipkart, Pinterest, and Instagram.
- Deployed the fine-tuned model on Hugging Face to create an inference API, facilitating easy access to the model.
- Developed a conversational system using Django and React.js, allowing users to interact naturally and receive personalized fashion advice based on their input.
- Enhanced user interaction by providing tailored fashion recommendations, significantly improving user satisfaction.

Movie Decoder Platform 🧠 | NLP, Flask, Keras, Tensorflow, Selenium, HTML/CSS, Python, openCV

- Created a Flask-based application capable of predicting movie genres from posters and synopses, and ratings from reviews.
- Scraped metadata, posters, and reviews for 10,000 IMDB movies, ensuring a robust dataset for model training.
- Developed a genre prediction model using Keras and TensorFlow, trained on image data extracted from movie posters.
- Built a genre prediction model by preprocessing and vectorizing movie synopses using TF-IDF, achieving high accuracy.
- Implemented a rating prediction model using movie reviews, Vectorization and multiple ML algorithms.

TECHNICAL SKILLS

Languages: Python, C++, C, SQL, HTML/CSS, Javascript, Java, PHP

Technologies/Frameworks: Flask, Django, React.js, Tensorflow, Docker, Git/Github, Keras, Linux, Pyspark

Databases: MongoDB, SQLite3, MySQL, PostgreSQL

ACHIEVEMENTS/OTHERS

- 2nd Runner-up ExploreAI 2.0, 48 hours offline hackathon organized by Yamaha Motors.
- Semi Finalists, Grid 5.0, 2023, organized by Flipkart.
- PWC Launchpad program certified.
- Ranked amongst the top 100 teams, in Amazon ML Challenge, 2023.
- Semi finalists, CodeBrewers 2023 hackathon, organized by Tally.
- Active member of NGO HelpingHandsForSpeechless, where organised various animal feeding and vaccinating drives.