Ayush Patel

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EDUCATION

- **Vellore Institute of Technology** — Vellore, India
  Master of Data Science : GPA: 9.0 — *August 2021 - Ongoing*

- **International Institute of Professional Studies , DAVV** — Indore, India
  Bachelors in Computer Application : GPA: 8.2 — *July 2018 - June 2021*

SKILLS SUMMARY

- **Languages**:   Python, C/C++, SQL, JAVA
- **Frameworks**:   Scikit, Pandas, OpenCV, NLTK, SpaCy, TensorFlow, Keras, Pytorch, Flask, Streamlit
- **Tools**:   MySQL, SQLite, Docker, GIT, MySQL, SQLite, MongoDB
- **Platforms**:   Linux, Windows, Azure, Heroku, Streamlit Cloud, Hugging Face Spaces
- **Soft Skills**:   Adaptability and Flexibility, Problem-Solving, Stress Management, Time Management, Teamwork

PROJECTS

- **HearUS - Sign to Text Converter for deaf people (Computer Vision, Video Processing, Natural Language Processing, Web Development)**:   A Web Application which h converts American sign language into textuses a Inception3D model trained on more than 8000 short videos of 2000 words and then transfer ed the predicted labels to a paraphrasing model to make a meaningful sentence.
  Tech: Python, Pytorch, OpenCV, Streamlit, HTML, CSS, Azure

- **Guarden - Crop advisory app for farmers (Computer Vision, Image Processing, App Development)**:   A mobile application which let farmers to recognize plant diseases, pests and nutrient diffidence just by sending a picture.
  Tech: Python, Tensorflow, SQLite, Kivy ,Buildozer

- **Image Captioning(Computer Vision, Deep Learning ,Web Development)**: A Web application which uses combination of different Deep Neural Nets trained on Flickr 8K dataset to provide a caption or to describe an image with accuracy of 85%
  Tech: Python, Pytorch, Streamlit, Azure Cloud

- **YouTube Views prediction(Machine Learning)**: Built and implemented YouTube views prediction model with data of thumbnail, likes & comments using ensemble techniques.
  Tech: Python, Scikit, Pandas, Optuna

- **Stock Price Prediction (Time Series, Machine Learning)**: Built a Deep learning model to forecast features and to analyze the future trends.
  Tech: Pandas, Stattools, RNN & LSTMs

- **Sentiment Analysis on Movie reviews (Natural Language Processing)**: Implemented different transformers models to perform Sentiment Analysis after applying necessary data preprocessing techniques like Sentence Segmentation, Tokenization, Lemmatization, Tagging.
  Tech: Python, Transformers

HONORS AND AWARDS

- Achieved **Rank 1** in UTKRAANTI 2019(National Level Championship) workshop on AI
- Secured **Rank 1** among 3500 participants in Book Price Prediction Challenge organised by Machine Hack
- **Ranked in Top 10** of the Work Hour Prediction Challenge by Machine Hack
- **Secured Rank 11** among 200 teams in Cascade Cup 22 organised by IIT Guwahati
- **Global Ranking 45** out of 6000 on Machine Hack Platform
- **Ranked in Top 150** out of 5,000 teams in Amazon ML Challenge 2021

ADDITIONAL INFORMATION

- Mentored a team of students in final year
- Team Lead at UTKRAANTI 2019
- Possessses the quality of a good storyteller
- Owned and executed end to end multiple data science projects
- Team player with effective communication skills and proven abilities in resolving complex issues