Gourav Chouhan

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EXPERIENCE

GenieTalk.ai — *Data Scientist Intern*

Feb 2022 - March 2022

- Design a chatbot system to handle various customer queries and provide appropriate response by using **NLP** and implemented using **AWS Step function**.
- Improve the system response by integrating it with **AWS Lambda** function and **Api Gateway** that serve millions of requests daily.

The Spark Foundation — *Data Science and Analyst Intern*

June 2021 - July 2021

- Optimize machine and deep learning models for better performance of applications by using **Tensorflow** , **Keras** and hyper tuning techniques.
- Automate Continuous Integration/continuous development pipeline for flow less model deployment by **Scikit-learn pipelines**.

PROJECTS

Electronics Component Classification | Github Link

- Uses **Deep learning** to classify different categories of electronics components based on their images.
- Uses **Keras** transfer learning model and converts it into quantised **Tensorflow** model for better performance and memory optimisation.
- Deployed on serverless **AWS Lambda** for and connected with Api gateway for user interface.

Crop Production Optimization | Github Link

- A **web application** uses a **machine learning model** that predicts the best crops to be grown in different soil and climatic conditions of that area.
- Uses **Aws sagemaker** to create models which gives **98% accuracy** and lambda function to invoke model and api gateway for user interaction.
- Also build a website using html and css for user interface and deploy it to **Heroku** platform using **Docker**.

Resume Name Extractor | Github Link

- A Website that extracts a candidate's name from its resume and rename a file of its name.
- Accuracy to extract the correct name was **90-95%.**
- Make a web interface and deploy it on heroku using docker.

Education

Shri G.S . Institute of Technology and Science, Indore — *B.Tech*

Electronics And Instrumentation Engineering

2019– Present

Sardana Public School, Dewas — *12th Board*

2017-2018 | Cgpa - 7.2

Technical Skills

- Machine Learning
- Deep Learning
- Data Analyst
- Python Programming
- C++ Programming

Tools

ML : Tensorflow, Keras , NLTK, Scikit-Learn, Matplotlib, Pandas, Numpy, Opencv

Basic : Html, Css

Database : MongoDB

Services : AWS, Heroku, Github Actions, Dockers, DVC

Courses Certificates

- Machine Learning from Stanford Online through Coursera
- Data Analytics from Michigan University through Coursera
- Python Specialization from Michigan through Coursera

Hobbies

- Games (Cricket, Volleyball, Basketball and Chess)
- Reading Novels