HIMANSHU

8901968682 | himanshukathpalia999@gmail.com | linkedin.com/in/himanshu-kathpalia | github.com/Himanshukathpalia10

Education

Guru Jambheshwar University of Science and Technology   Hisar, Haryana
Masters of Computer Applications   *Oct 2020–Sep 2022*

- Cumulative GPA : 8.20/10
- Relevant Coursework : Java, Software Engineering, Web Development, Data Structures and Algorithms, Artificial Intelligence, Data Analytics, Machine learning, Python, DMT

Vaish College of Education   Bhiwani, Haryana
Bachelors of Science in Computer Science   *June 2017–Sep 2020*

- Cumulative GPA : 7.31/10
- Relevant Coursework : C, C++, Operating System, Data Structures, System analysis and Design, Software Engineering, Computer Fundamentals, Computer Architecture

Projects

Air Pressure System: Sensor Fault Detection   Jan 2022–Apr 2022
Project Work

- Applying various classification algorithms to predict whether the fault occurs is due to Air Pressure Systems
- Used **Confluent Kafka** for making data streaming pipeline
- Using **MongoDb** database for data storage
- **Dependencies used:** numpy, pandas, seaborn, sklearn, matplotlib, pymongo, python-dotenv, xgboost
- Deployment of project is done using **AWS cloud**
- Implementation in **Python**

Research Paper Title Generation and Tag Classification   Apr 2022–Jun 2022
Natural Language Processing

- Developed tranformer based deep learning approach to **title generation of research papers and paper tags classification**
- **Dependencies used:** NLTK, Transformers 11.0, PyTorch 11.1, seaborn, stanza
- Implementation in **Python**

Face Authenticator using MTCNN   Oct 2022–Dec 2022
Convolutional Neural Networks

- Using MTCNN for detecting face embeddings from images
- For register and authenticate face embeddings using FaceNet
- MongoDB is used for storing face embeddings
- Used terraform cloud and AWS cloud for deployment purposes
- **Dependencies used:** pymongo, pandas, fastApi, uvicorn, deepface

Technical Skills

Programming Languages: Python, R, Java, C, C++
Data Science and Miscellaneous Technologies: Data Science Pipeline(collection, cleaning,visualization, modeling, interpretation)
Machine Learning and Deep learning: Regression, Classification, Artificial Neural Networks, CNN, RNN

Certifications

Course on Data analytics with Python
YBI Foundation   *Oct 2022*

FDP on Machine learning for Iot
AICTE   *Jan 2022*