# Devashi Choudhary
## Member of Technical Staff 2

I am an enthusiastic and self-driven person. Currently, I am working in NetApp as MTS2. Adept at motivating self and others. Passionate about AI, DL and CV. Aiming to utilize my skills and technical knowledge to achieve organization goals.

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📍 Bangalore, India

⬡ github.com/Devashi-Choudhary

in linkedin.com/in/devashi-choudhary-84677b109

Ⓜ devashi-choudhary.medium.com/

# Education

**MTech (CSE)**
Indraprastha Institute of Information Technology, Delhi
07/2018-Present                    Delhi, India CGPA : 7.91

**B.E. (IT)**
Institute of Engineering and Technology, DAVV Indore
07/2013 – 05/2017                    Indore, India CGPA : 8.87

**12th**
Shree Neema Vidya Niketan, Indore (Madhya Pradesh)
07/2012 – 05/2013                    Indore, India CGPA : 8.9

# Work Experience

**MTS 2 (Data Scientist)**
*NetApp*
09/2021 – Present                    Bangalore
Working on Troubleshooting Assistant, that uses NLP and ML techniques to get similar resolved problems in the past.

**Member of Technical Staff 2**
*NetApp*
08/2020 – 08/2021                    Bangalore
Worked on customer escalations in Write Anywhere File System (WAFL) & Storage Efficiency area for ONTAP.

**Intern**
*NetApp*
01/2020 – 06/2020                    Bangalore
Worked on Storage Efficiency technologies like Compression, De-duplication, and Compaction for ONTAP to store data efficiently on disk.

**Teaching Assitant**
*IIIT-Delhi*
07/2018 – 12/2019                    Delhi
Opt TAship in Applied Mathematics, Competitive Programming, and Analysis of Designing Algorithms.

# References

- Dr. Jainendra Shukla
  Assistant Professor
  Indraprastha Institute of Information Technology, Delhi
  Email : jainendra@iiitd.ac.in

- Rick Huang
  Technical Marketing Engineer
  NetApp

# Interest and Hobbies

- Art and Craft
- Photography

# Skills

**Programming Languages**
Python, C/C++, Java

**Tools and Technologies**
Scikit-learn, Docker, Postman , Eclipse, Open CV, Anaconda, Pytorch, Keras, TensorFlow, Open AIGym, MATLAB, NLTK, NumPy, SciPy, Pandas, HTML, CSS, Bootstrap, Oracle, MySQL

**Technical Electives**
Machine Learning, Computer Vision, Information Retrieval, Artificial Intelligence, Deep Learning, Digital Image Processing, Data Mining, Data Structures and Algorithms, Operating System, DBMS, Object Oriented Programming, Reinforcement Learning

# Research and Projects

**Troubleshooting Assistant for ONTAP(10/2021 –Present)**
- Dataset is collected from entire life cycle of customer escalation using MySQL.
- Used TF-IDF, Word2Vec, and Google Bert models to get the similar resolved escalation from past.
- Used Testing automation scripts for evaluating the model's performance.

**Space Factorization for Temperature Sensitive Storage Efficiency (TSSE) (01/2020 – 04/2020)**
- Achieved accurate Storage Efficiency(SE) ratio for compressed data extents(CDE) in TSSE whenever there are overwrites to them and this CDE's are subjected to Garbage Collection.
- Used ONTAP testing platform for identifying the SE ratio accurately.

**Facial Expression Recognition (05/2019 – 12/2019)**
- Compared Gaussian Naive Bayes, XgBoost, Random Forest, MLP classifiers for classification of facial expression.
- Compared various image features like HOG, LBP, AAM, SIFT, etc, and identified significant features using feature selection methods like JMI, MRMR, and CMIM.
- Used accuracy, precision and recall as evaluation metrics.

**Automated College Queries Chat-Bot (01/2019 – 04/2019)**
- Dataset is collected from college websites and social platforms like Facebook and Quora.
- Used Word2Vec, Fast Text, Google Bert, GloVe and Generative models to classify relevant and non-relevant answers for a given query.
- Used Human Annotator for evaluating the model's performance.
- ➢ Worked on multiple projects related to DL and CV, most of them are available at Github github.com/Devashi-Choudhary

# Publications

- Choudhary, Devashi, and Jainendra Shukla. "**Feature Extraction and Feature Selection for Emotion Recognition using Facial Expression**." *2020 IEEE Sixth International Conference on Multimedia Big Data (BigMM)*. IEEE, 2020.

DOI : https://ieeexplore.ieee.org/document/9232510

# Awards and Achievements

- Received appreciation for resolving customer escalation with in given time.
- Fixed bugs in storage efficiency area for ONTAP.
- Participated in Kaggle competition "Recursion Cellular Image Classification".
- Awarded for best project in AI course and nominated for best project in IR course
- Organizer of Cultural Fest – Aakshank at IET DAVV.