

AMIT KANDERI

Member Technical Staff - ML/NLP Engineer

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WORK EXPERIENCE

NEC Corporation India Pvt Ltd

• Member Technical Staff - ML/NLP (Promoted)

Jan 2021 – Present Noida

• Graduate Engineer Trainee – ML/NLP (On Boarded)

Aug 2019 – Dec 2020 Noida

• Trainee – ML/NLP

Jan 2019 – Jul 2019 Noida

- 2+ Years Experience with NLP/ML End to End Applications using Python.
- Mining data related to ERP/CRM systems like SAP and Sales Force. Performing EDA using interactive Jupyter Notebook/Lab using python libraries like pandas/numpy/seaborn and presented findings to the Team Lead.
- Developed several python scripts for internal textual pre-processing tasks using NLTK and spaCy.
- Optimizing(Hyper-Parameter Tuning) and implementing state-of-the-art machine learning and deep learning techniques for classification using scikit-learn, Tensorflow 2.0 on CRM/ERP raw textual data.
- Applying different transfer-learning techniques using pre-trained word-embeddings like Glove, Gensim, FastText, BERT(Recently started). Also implemented Cosine Similarity for text similarity Tasks/Problems.
- Research about latest DevOps Tools and present the insights to Client.

Python Machine Learning NLP Text Analytics NER RASA
Keyword Extraction Flask AWS Docker WSL2

PROJECTS

Kaggle - Natural Language Processing with Disaster Tweets

- Goal: Predict which Tweets are about real disasters and which ones are not.
- Performed EDA and visualization data using seaborn and word cloud. Used TF-IDF Vectorizer and Naive Bayes Algorithm and achieved around 85% accuracy.

Chatbot using RASA

- Goal: To create a chatbot that will provide information related to HR Policies.
- End to End chatbot development using RASA. Performed post deployment tasks like Model updation and fixing prediction or extraction related bugs.

VISION: Face Recognition Attendance System

- A smart solution to monotonous attendance process, by recognizing the face of person using python and openCV. Future Feature Implementation: Using DL techniques to improve efficiency and also research other transfer learning techniques.

EDUCATION

Masters in Computer Applications

K.I.E.T. Group of Institutions, A.K.T.U.

Score: 76.8

Aug 2016 – Jul 2019

Uttar Pradesh

Bachelor of Science Electronics Hons

Maharaja Agrasen College, DU

Score: 62.8

Jul 2012 – Nov 2015

Delhi

CERTIFICATIONS

Coursera
Machine Learning by Andrew NG

Coursera
DeepLearning.AI TensorFlow Developer Specialization

Cambridge
Business English BEC B2 Level Certification

TECHNICAL SKILLS

Languages

- Python, SQL

Packages/Libraries

- Pandas, NumPy, Seaborn, Sklearn, NLTK, FastText, spaCy, RAKE-NLTK, Gensim, BeautifulSoup,

Machine Learning / NLP

- Linear Regression, Logistic Regression, Decision trees, Random forest, Clustering (K-Means, Hierarchical), Gradient decent, SVM (Support Vector Machines), Cosine Similarity
- Word2Vec, Doc2vec, TF-IDF, Text Pre-processing, Text Similarity, Keyword Extraction, RAKE, YAKE, Named Entity Recognition(NER), Intent Classification, DIET Classifier, Feature Engineering
- Neural Networks(CNN, DNN), LSTM(Uni and Bi Directional), Transformers(Recently learned)

ML Frameworks/ Web Frameworks

- Tensorflow 2.0, RASA NLU, RASA X
- Flask, Falcon, FastAPI

DevOps Tools

- Docker, AWS-CDK, Azure DevOps, AWS

Other Productivity Tools

- Jupyter Notebook and Lab, Git, Atlassian JIRA

ACHIEVEMENTS

Kaggle Competition
Ranked among Top 10% in Kaggle's House Prediction Problem

Competition Experience Kaggle

ML Algorithms

Analytics Vidhya
Participated in HR Analytics Problem and achieved 45% F1 Score. Ranked among Top 20%

Competition Experience Learning

ML Algorithms