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 expolatory analysis using interactive Jupyter Notebook/Lab using python libraries like pandas/numpy/seaborn and presented findings/insights to the Team Lead.
- Optimizating(Hyper-Parameter Tuning) and implementing state-of-the-art machine learning and deep learning techniques 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 BERT). Also implemented Cosine Similarity for Text Similarity Tasks/Problems.
- Developed python scripts for internal textual pre-processing tasks using NLTK and spaCy.
- Research about latest DevOps Tools and present the insights to Client.

| Python | Machine Learning | NLP | Text Analytics | RASA | Flask |
| AWS | Docker | NER | 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 80% 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, Text Preprocessing, Text Similarity, Keyword Extraction, Named Entity Recognition(NER), Intent Classification, Feature Engineering
- Neural Networks(CNN, DNN), LSTM(Uni and Bi Directional),

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%

| ML Algorithms |
| Competition Experience | Learning |