

# N.C.Mohit

Hyderabad, Telangana

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## Cognitive Data Scientist

*I'm a programmer interested in learning and applying technologies like natural language processing, digital image processing, machine-learning, proficient in debugging, optimization, profiling and integration of software. Currently working in the field of Artificial Intelligence and looking forward to expanding my skill set and gaining real-world experience.*

### WORK EXPERIENCE

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#### IBM

Hyderabad, Telangana

##### *Cognitive Data Scientist*

Project - BPO Transition WatsonX

*November 2023 - Present*

- Worked on “Retrieval Augmented generation” ( RAG ) where the objective is to respond to input queries from a given set of documents, after understanding the context, using Large Language Models in WatsonX.
- Worked on sub-sections involving text embedding generation, storage in ‘Milvus’ vector database, retrieval and filtering of relevant embeddings to be used as context for LLM prompt. Development of API endpoints to be consumed as output.
- Main responsibilities included creating logic for filters, patching security vulnerabilities, analyzing embeddings for relevancy to queries, developing a caching mechanism, debugging issues after feature implementations, maintaining version control using git, assisting Devops team with deployment of codebase.

Project - Kyndryl Anthem Analytics

*Sept 2022 - November 2023*

- Worked on “Unstructured Text Analytics”, where infrastructure server’s incident tickets were collected and clustered, natural language processing techniques used to summarize the topic, to aid end-users in understanding and fixing problems.
- Worked on "COACH", where change requests to a server and corresponding incidents are analyzed to predict if changes are feasible or not.
- Maintenance activities for projects, creating and monitoring “Airflow” schedules, versioning and maintaining codebase using “BitBucket” service.

#### IBM

Online

##### *Data Science Internship*

*Jan 2022 – June 2022*

- Objective: To simplify complex medical documents into Patient Information Leaflets.
- Built a Complex word identification module by designing word features and creating a supervised prediction model.
- Generated grammatically accurate sentences after word replacement using Paraphrasing Transformer models.
- Deployed a pipeline under the guidance of senior team members and applied for a patent.

### SKILLSET

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**Programming Languages:**

Python, Java, C++

**Machine Learning:**

Modeling, Visualisation, Evaluation, Hyperparameter Optimization

**ML Libraries:**

NLTK, Scikit-Learn, Pandas, NumPy, Matplotlib, Keras, Tensorflow

**DevOps:**

Git, Docker, Jenkins, Apache-Airflow, AWS, Azure

## **EDUCATION**

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**National Institute of Information and Technology University**

*B.Tech Computer Science and Engineering*

*CGPA: 9.07 / 10*

**Neemrana**

*Jul 2018 - Aug 2022*

**Narayana Jr College**

*Senior Secondary Education*

*GPA: 926 / 1000*

**Hyderabad**

*Jul 2016 - Jul 2018*

## **CERTIFICATIONS**

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**Accelerated Deep Learning with GPUs**

*ML0122ENv3*

*Link: [Certificate](#)*

**IBM - Cognitive Class AI**

*October 2022*

**Deep Learning with TensorFlow**

*ML0120EN*

*Link: [Certificate](#)*

**IBM - Cognitive Class AI**

*October 2022*

**Machine Learning with Python**

*ML0101EN*

*Link: [Certificate](#)*

**IBM - Cognitive Class AI**

*September 2022*

**Data Science 101**

*DS0101EN*

*Link: [Certificate](#)*

**IBM - Cognitive Class AI**

*September 2022*

**Big Data 101**

*BD0101EN*

*Link: [Certificate](#)*

**IBM - Cognitive Class AI**

*September 2022*