

# MD Osama

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## SKILLS

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- **Languages:** Python, Java, DSA, C++, HTML, CSS
  - **Frameworks:** HTML and CSS, Scikit-Learn, PyTorch, Tensorflow
  - **Tools/Platforms:** MySQL, Google Colab
  - **Soft Skills:** Problem-Solving, Multi-Tasking, Team player

## PROJECTS

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- **Project Title:** Text Summarization **Sep 2024 - Nov 2024**
  - **Description:** Develop an ML-based text summarization model integrating PCA, RNNs, and transformer models for enhanced summarization accuracy by analyzing real-time updates.
  - **Technologies Used:** Python, Scikit-Learn, Pandas, TensorFlow, NLP
  - **Impact/Achievements:** Improved recommendation accuracy, delivering more relevant news to users. Enhanced user engagement through behavior-driven suggestions.
  - **Project Title:** Exploring Neural Machine Translation **Aug 2024 - Nov 2024**
  - **Description:** Implemented to compare seq2seq models with attention based NMT.
  - Utilize TensorFlow/PyTorch for models training and NLTK/SpaCy for text processing.
  - **Technologies Used:** Python, TensorFlow, NLP, SentencePiece
  - **Impact/Achievements:** Implemented OpenNMT/Fairseq frameworks to enhance translation accuracy
  - **Project Title:** Customer Segmentation **Feb 2024 – Apr 2024**
  - **Description:** Implement customer segmentation techniques to classify users based on purchasing behavior and demographics
  - Applied K-Means clustering, DBSCAN, and Hierarchical Clustering using Scikit-learn for effective segmentation.
  - **Technologies Used:** Scikit-Learn, ML Predictive Analysis.
  - **Impact/Achievements:** Improved user experience with intuitive navigation and seamless browsing. Enhanced functionality for a smoother shopping experience.

## CERTIFICATES

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|---|-----------------|
| • Data Structures and Algorithm using with C++ by Udemy | <b>Dec 2023</b> |
| • Programming C++ by Coursera                           | <b>Dec 2023</b> |
| • Self-paced(DSA) by GFG                                | <b>Dec 2024</b> |
| • Cloud computing by NPTEL                              | <b>Dec 2024</b> |
| • Cybersecurity by Udemy                                | <b>Apr 2025</b> |

## EXTRA-CURRICULAR ACTIVITIES

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- Volunteer at Ismail Association Trust NGO – Contributed to plantation of tree, community service.

## EDUCATION

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|--|---------------------------|
| • <b>Lovely Professional University</b>  | <b>2022 – 2026</b>        |
| • <i>Bachelor of Technology Computer Science and Engineering — CGPA – 6.86</i> | <i>Jalandhar, Punjab</i>  |
| • <b>Samastipur College Samastipur</b>   | <b>2019</b>               |
| • <i>Intermediate — Percentage: 72 %</i>                                       | <i>Samastipur, Bihar</i>  |
| • <b>D.PM Holy Mission School</b>  | <b>2017</b>               |
| • <i>High School — CGPA: 9.8</i>   | <i>Samastipur , Bihar</i> |

