

# SHAIK SAQLAIN MUSTHAK



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## SUMMARY

Aspiring machine learning enthusiast with a strong foundation in data analysis, machine learning algorithms, and statistics. Seeking to leverage my skills and experience to contribute to innovative projects and promote data-driven decision-making in a dynamic and demanding workplace.

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## KEY SKILLS & COMPETENCIES

- **LANGUAGES** : Python , SQL , Java , Javascript , HTML
  - **DATA ANALYSIS & VISUALISATION** : Tableau , Pandas , Numpy , Matplotlib , Seaborn
  - **MACHINE LEARNING** : Scikit-learn , TensorFlow
  - **CORE COMPETENCIES** : Statistical Analysis, Supervised & Unsupervised Learning, Deep Learning, Natural Language Processing, Feature Engineering, Generative AI, Large Language Models
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## PROJECTS

### Student Performance Indicator

[Github link](#)

**Description:** Developed an end-to-end production-ready project aimed at assessing student performance.

- Conducted comprehensive data analysis to uncover insights and trends.
- Created effective visualizations to communicate findings.
- Trained multiple supervised machine learning models to predict student performance. Achieved an  $R^2$  score of 0.88, demonstrating high model accuracy.

### Customer Churn Prediction with ANN

[Github link](#)

**Objective:** Predict customer retention or departure based on various parameters.

- Technologies: Python, TensorFlow, Keras
- Approach: Developed an Artificial Neural Network (ANN) for prediction.
- Implemented hyperparameter tuning to optimize model performance. Visualized model performance using TensorBoard.
- Achievements: Achieved an accuracy of 86.79%.

### Vehicle Detection and Classification using Live Camera Feed for Traffic Control

#### Final Year Project | NIT Delhi

- Implemented a MATLAB-based system to detect and classify vehicles in real-time using live camera feeds.
  - Aimed at enhancing traffic control efficiency by automating vehicle monitoring and classification.
  - Addressed challenges such as varying light conditions and high traffic density, ensuring accurate detection and classification.
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## EDUCATION

### National Institute of Technology Delhi (NIT DELHI)

Electronics and Communication Engineering  
2017-2021

### Narayana Junior College

intermediate , M.P.C.

### Alpha High School

Senior Secondary, 10th class

## CERTIFICATIONS

### SQL Bootcamp

Udemy

### Tableau training for Data Science

Udemy

### Machine learning & NLP

Udemy