

SAAD BIN ABID

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As a graduate data scientist, I possess a unique combination of skills in computer science, statistics, and mathematics, which I apply to extract valuable insights from complex datasets. I am always seeking opportunities to expand my knowledge and skills in this exciting and rapidly evolving field.

EXPERIENCE

August 2023 - December 2024, Lahore, Punjab

Data Processing Intern

Electivo Insurance Group

- **Data Collection:** Gathering data from various sources, such as databases, spreadsheets, sensors, and online sources.
- **Data Cleaning:** Identifying and correcting errors, inconsistencies, and inaccuracies in the data to ensure quality and reliability.
- **Data Transformation:** Converting data from one format or structure to another, which includes normalization, aggregation, and encoding.
- **Data Integration:** Combining data from different sources to provide a unified view, which often involves matching and merging datasets.
- **Data Storage:** Storing data in databases, data warehouses, or data lakes for efficient access and retrieval.
- **Data Analysis:** Using statistical, mathematical, and computational techniques to extract meaningful insights, patterns, and trends from the data.

EDUCATION

University of Management and Technology

Data Science – 2020 – 2024

Intermediate

Computer Science – 2018 – 2020

Matriculation

Computer Science – 2016 - 2018

PROJECT

Final Year Project: UniBot

Competencies: Pycharm, VScode, Flask API, React JS, PyMongo, MongoDB, Large Language Models (LLMs), AIML

- Developed an AI assistant LLM-based chatbot tailored for faculty to streamline the creation of tasks such as quizzes and assignments.
- Implemented Flask API in Python for seamless integration with the React JS based front end.
- Leveraged PyMongo to facilitate access to MongoDB as the project's database.
- Incorporated a Language Model (LLM) for task creation and AIML for basic conversational capabilities.
- Applied fine-tuning techniques or embeddings to enhance the model's performance on the university curriculum dataset.
- Extensively worked on prompts, prompt engineering, NLP concepts, transformers, and embeddings to optimize functionality.

Fake News and Loan Predictor

Competencies: Jupiter, Collab, Machine Learning, Python, Data Analysis, Data Mining, Sci-kit learn, Pandas, Matplotlib, NumPy.

- Data mining extracts patterns from data; project predicts loan approval using SVM and Logistic Regression.
- Objective of creating a loan approval prediction model and a model to detect fake news.
- Data preprocessing involves cleaning, reduction, integration, and transformation.

Artificial Neural Network from Scratch

Competencies: Python, Numpy, Mathematics, Machine Learning, Data Analysis, Sci-kit Learn, Matplotlib.

- By using Boston housing dataset, we have built an artificial neural network with forward pass and backpropagation concept.

House Price Prediction

Competencies: Python, Machine Learning, Data Analysis, Data Processing, pandas, NumPy, Scikit-Learn, Statistic, Feature Engineering, Regression Analysis.

- By using Boston housing dataset, we have built a ML Model and train it on training dataset.

SKILLS

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| • My SQL | • Deep Learning |
| • Python | • HTML |
| • Machine Learning | • Data Visualization |
| • C++ | • Data Base |
| • Cisco Pack | • MangoDB |
| • Quote Preparation | • Data Processing |
| • RectJS | • Quote processing |
| • Management Skill | • Linux |