

# JUNAID ALI

## DATA SCIENTIST

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**OBJECTIVE:** Data scientist with a strong foundation in data analysis, seeking opportunities to apply machine learning expertise to solve real-world problems and develop innovative solutions.

### EDUCATION

**Mehran University of Engineering and Technology**  
Bachelor's in Software Engineering

Jamshoro, Pakistan  
2020 - 2024

**DJ Sindh Govt. Science College**  
Intermediate in Pre-Engineering

Karachi, Pakistan  
2018 - 2020

### WORK EXPERIENCE

**Software Development Volunteer**  
Boukayflor

June 2024 - August 2024

- Designed and developed a custom software solution to streamline sales processes, leading to a **20% increase** in revenue within three months.
- Built a data-driven recommendation system using Python and machine learning algorithms, boosting upselling opportunities by **15%**.
- Automated inventory and sales tracking, reducing manual errors and saving **10+ hours** weekly for staff.
- Implemented an intuitive user interface using Streamlit, enabling the business to monitor real-time sales and inventory metrics effortlessly.

### PROJECTS

**Movie Recommender System – Personalized Movie Suggestions**  
Built with Machine Learning, Python, and Streamlit

July 2024- October 2024

- Processed and prepared a dataset of **10,000+ movies** to ensure accurate and relevant recommendations.
- Implemented content-based filtering using vectorization techniques (**TF-IDF**) to understand user preferences effectively.
- Designed and trained a machine learning model to recommend movies with **90%+ accuracy in preference matching**.
- Developed and deployed a user-friendly web application using Streamlit, enabling real-time movie recommendations with a **200ms response time**.

**Spam Classifier – Email/SMS Spam Detection Application**  
Built with NLP, Python, Machine Learning, and Streamlit

March 2024 - June 2024

- Processed and cleaned over **5,000+ data points**, ensuring high-quality inputs and uncovering key patterns to improve model accuracy.
- Applied natural language processing techniques, including tokenization and vectorization, to prepare text data for machine learning with **98% preprocessing efficiency**.
- Trained and optimized a machine learning model, achieving an accuracy rate of **95% in spam classification**.
- Built and deployed a web application with **100ms response time**, enabling users to classify emails and messages in real-time using Streamlit.

**AlwaysRight – AI-Powered Currency Conversion Assistant**  
Built with Dialogflow, Flask, and REST API

November 2023 - February 2024

- Developed a chatbot that provides up-to-date currency conversion rates with **99% accuracy**.
- Integrated AI-based natural language processing using Dialogflow to enable seamless user interactions.
- Implemented a robust backend using **Flask** and **REST API**, supporting up to **10,000 simultaneous** requests.

**Algorithms Implemented From Scratch — Coursework**

August 2021 - May 2024

- AI Algorithms:** Linear Regression, Logistic Regression, Decision Trees, K-mean Clustering, SVM Sort.
- Search/Sort Algorithm:** Bubble Sort, Insertion Sort, Merge Sort, Quick Sort Search Algorithms: Breath First, Depth First, A-star.
- Other:** Huffman Encoding, Minimax.
- Languages Used:** C, C++.

### ACHIEVEMENTS

**PM Laptop Scheme Awardee**

October 2023

Awarded a laptop for outstanding academic performance under the PM Laptop Scheme.

**Academic Excellence Award**

September 2022

Received a monetary award in recognition of exceptional academic performance.

### SKILLS

Technical Skills: **Machine Learning, Data Preprocessing, Statistical Analysis, Natural Language Processing.**

Tools and Technologies: **Python, Java, SQL, NLTK, RestAPI, Flask, Scikit-Learn, Pandas, NumPy, Matplotlib, Seaborn, Tableau, Power BI, AWS, Google Cloud, Git, GitHub, Jupyter Notebook, PyCharm, Google Colab.**

Soft Skills: **Team building, Leadership, Time Management, Effective Communication.**