Tanzeela Sehar

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Education

Bachelor of Science, Sozftware Engineering.   **Expected Graduation: May 2024**
University of Karachi (UBIT) – Karachi, Pakistan.

Courses: Data Structures & Algorithms, Java OOP, Compiler Construction, Web Applications, Computer Logic Design, Big Data Analytics, Networking, Data Mining and Data Warehousing, Artificial Intelligence.

Diploma, Big Data Analytics.   **June 2021 – Dec 2021**
Institute of Business Administration (IBA) – Karachi, Pakistan.

Skills: Data Cleaning, Data Storing, Data Visualization, Model training (Linear Regression/ Naïve Bayes/ KNN/ Decision Trees etc), Model Evaluation, Parameter Tuning, Making Predictions.

Experience

Freelancing – Upwork.   Feb 2023 – March 2023
Feedback Provider

- Reviewed and assessed research articles, based on AI, offered specific recommendations to the author, through detailed feedback and constructive suggestions, highlighting both strengths and weaknesses.

- Focused on identifying areas where enhancements could be made, such as improving the logical flow, strengthening arguments, and clarifying complex concepts.

- Ensured that the articles were understandable and accessible to a broad audience.

Projects

Stray Dogs Detection System – GitHub   May 2022 – Nov 2022

- Trained a real-time object detection model using Yolov5m pre-trained weights and architecture to detect stray dogs, humans, cats and horses. **(Google Colab, Python, Yolov5).**

- Performed data preprocessing on more than 10,000 images. **(Pytorch, Numpy, Pandas, OpenCV).**

- Achieved an overall precision score of 96.8% and mAP@0.5 score of 98.8%.

Personal Portfolio Website – GitHub (Portfolio Link)   June 2023 – July 2023

- Designed and developed a responsive personal website from scratch **(JavaScript, HTML and CSS)**.

Mental Health Chatbot   Jun 2021 – Aug 2021

- Created the knowledge-base for the model. Trained the chatbot by applying CNN using NeuralNet, achieved 75% accuracy. **(Python, NeuralNet)**
- Designed the front-end using HTML, CSS and JavaScript.

Certifications

Google Data Analytics (Professional Certificate)   Jan 2023 – Jul 2023

- Learned concepts like Structured Thinking, Gap Analysis, Data Lifecycle, Data Ecosystems, Phases of Data Analytics, Data-Driven Decision Making, Data Integration and Interpretation, Statistical Analysis, Data Story-Telling, Predictive Modeling, Data Ethics and Privacy

- Got Familiar with MSWord, MS Excel, MS PowerPoint, Google Spreadsheets, Dashboards and Pivot Tables

Programming Skills: Python, Flask, ReactJs, R, MySQL, C, C#, Javascript, Java
Other: Git, Pandas, Numpy, OpenCV, Matplotlib, Seaborn, Scikit-learn,Tableau, HTML, CSS\Bootstrap, Vertabelo