

Tayyab Shafiq

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EDUCATION

- DHA Suffa University** Karachi, Pakistan
Bachelor of Science - Computer Science Apr 2020 - Present
 - Core::** Data Structures & Analysis Of Algorithms, Database Systems, Operating Systems, Compiler Construction
 - Mathematics::** Multivariate Calculus, Linear Algebra, Probability & Statistics, Differential Equations, Numerical Computing

EXPERIENCE & PROJECTS

- Technical Content Writer (Data Science, Machine Learning/AI) - Medium** Remote
Published articles based on Data Science, Statistics, and Machine Learning. Dec 2022 - Present
 - Role:** To gather information from what I learn from machine learning and Statistics courses and write a brief article on them to help people understand.
- Machine Learning model to predict survival patients with heart failure.:** Designed a machine learning model to predict those patients quickly who survive heart failure using their medical records. The prediction of this model is based on those features that can cause heart failures like serum creatinine, ejection fraction, etc. (In Progress)
- Designed a compiler for Data Analysis:** It is the project of Compiler Construction in which I made my own language called 'DAS'(Data analysis language) in this I designed language tokens and made 'Flex' to identify the language.
- Developed a bank management system:** This project is done using object-oriented programming concepts in which I work especially when a person logs in and then receives a unique Account number different from others. The project manages many transaction processes like Cash Deposit, Cash Withdrawal, Balance Inquiry, and Account Number Pin.
- Developed a 4-bit counter:** This Project is a 4-bit binary counter designed using 4 D - flip-flops. In this project, we use BCD to 7-segment Decoder (7448) that converts the output to decimal form and displays the output in a 7-segment display.
- Developed a 'Learning Management System' Web-based:** Created to make learning easy for students and eliminate management headaches. The Website is designed in HTML, CSS, and JavaScript

ACTIVITIES

- Solved a research paper on 'Technology and Aging: Users' Preferences in Wearable Sensor Networks.
- Reading 'Research Papers' on Machine Learning and AI-based models to gather knowledge related to any field.
- Done several SQL tasks in MySQL Workbench or Server
- Designed my Logo & Banner in the name of 'Data Scale'.
- Experience Microsoft Azure Data Fundamentals event.
- I like studying 'Medical science and Finance' and learning to solve Health care problems with Computer science.
- Programming on Linux.

CERTIFICATIONS

- 'Machine Learning Specialization' offered by DeepLearning.AI** Coursera
A machine learning specialization course containing three core courses & teach by Andrew Ng . In Progress
- SQL for Data Analysis with MySQL** DHA Suffa University
I learned this course to do data analysis tasks and manage database records. Jul 2022
- Responsive Website Basics: Code with HTML, CSS, and JavaScript** Coursera
A Web development and designing course by the University of London. May 2021
- Python for Data Science, AI & Development** IBM Skills Network
This was my first course in the journey of Data Science. Dec 2018

PERSONAL

"I'm currently in my third year of bachelor's degree coursework. I focus on learning new things and solving complex problems anywhere at any time. I'm eager to investigate and accomplish projects and academic papers based on data science, data analysis, machine learning, and AI. I'm looking for an opportunity to use and grow my knowledge and talents here."