

# Ali Abdullah

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## OBJECTIVE

I'm a biomedical engineer who's now diving into data science. I'm really good at collecting data from the web and tweaking it to make sense. I also know how to use machine learning to solve problems, from start to finish, and get those solutions out there where they can do some good.

## EDUCATION

**NFC Institute of Engineering & Technology**

2020-24

**Bs Bio-Medical Engineering and Technology**

- [Final Year Project: GUI Based Smart Health Monitoring System](#)

GUI-based smart health monitoring systems offer an intuitive interface for individuals and healthcare professionals to monitor, manage, and analyze health data.

**Higher Secondary in Science**

2018-20

**Pre-Engineering: Rise College, Multan**

## EXPERIENCE

**Technocolabs Softwares**

May 2024 - June 2024

**Data Science Intern**

- Explore the dynamics of employee attrition at technocolabs through in-depth analysis and prediction. Additionally, craft an engaging dashboard using tableau to visualize key insights and trends.
- Dive into the realm of financial risk analysis and prediction within the online peer-to-peer lending platform domain. Uncover insights through feature engineering and the application of Principal Component Analysis (PCA) for enhanced decision-making.

**Vertex Medical (PVT) LTD**

Aug 2023 - Mar 2024

**Service Engineer Intern**

- During my tenure at Vertex, I specialized in understanding anesthesia, ventilators, and critical care equipment. I adeptly identified and resolved errors in these systems, collaborating closely with senior colleagues.
- Additionally, I conducted Preventive Maintenance (PPM) at various hospitals, installed new equipment, and provided comprehensive demonstrations to end-users.

## Projects

1. [Web Data Scraping using BeautifulSoup & Selenium](#)
2. [CardioCare: Web-Based Heart Disease Prediction System](#)
3. [How does a bike - Share navigate speedy success? using R](#)
4. [ML Approach for Analyzing Customer Churn](#)
5. [Analyzing Sentiment of TripAdvisor Restaurant Reviews using NLP](#)

## ADDITIONAL INFORMATION

### Skills:

MS Excel (Vlookup, Hlookup, Solver Addins, PowerPivot), Tableau, R/Rstudio ( ggplot2, tidyr, dplyr, tidyverse, plotly, tseries), Python(NumPy, Pandas, Scikit-learn, Seaborn), Jupyter, SQL, BigData(Apache Spark), Git, Supervised Learning (Decision Trees, Random Forest, Time Series Analysis and Forecasting, SVM), Unsupervised Learning (Euclidean/Manhattan Distance, K-means, Cosine Similarity and PCA/SVD), Neural Network (CNN, RNN), Natural Language Processing/ NLP, Sentiment Analysis

### Interests:

Traveling, Photography, Book Reading, Exploring Things