

# Taral Shah

TeleMedicine Engineer | Healthcare Data Enthusiast

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TeleMedicine Engineer with 6 years of hands-on experience dealing with Clinical Informatics and healthcare Data.

Microsoft Professional Certificate in Data Science and support on various cardiology and radiology products.

Healthcare Data Analysis using Power BI, Azure ML and Various Python libraries.

## PROFESSIONAL EXPERIENCE

### Healthcare Data Enthusiast

Toronto, CA, 2019 – Present

Researches, extracts and manipulates complex (open) data from various sources. Perform ETL using various Python Libraries. Identifies and understands new and emerging patterns. Develop Reports and Dashboards using data visualization tools such as Power BI, Tableau, Splunk etc. Machine learning models design using Python libraries like scikit-learn, TensorFlow etc. Design and deploy models using Azure Machine Learning Studio.

### Telemedicine Engineer

CompuMed Inc., Toronto, CA, Jan 2018 – Present

Converted, cleaned and analyzed medium-large data files to Developed report processes using SQL and Python. Playing key role in development of improved processing workflows for decreased operating costs. Building reports, dashboards and data visualizations that are used everyday by team leads and executives using Power BI. Primary technical point of contact for Diagnose, troubleshoot, and resolve Issues related to Medical equipment and PACS/RIS Platforms. Evaluate the safety, efficiency, and effectiveness of PACS Platform using various analysis techniques. Design and integration of EHR Platform and related data flows. Test / Evaluate and support the roll-out of new technology. Train clinicians, nurses and other healthcare personnel on the proper use of PACS and EHR Software.

### Biomedical Engineer

CompuMed Inc., Los Angeles, USA, May 2014 – Jan 2018

On-site and off-site repair, install, maintenance and calibration of GE, Schiller and Mortara 's cardiology equipment. Act as liaison with technicians and manufacturers to ensure the feasibility of a biomedical software product in terms of design and economic viability. Provide onsite IT Support by monitoring and maintaining desktop, server and network. Troubleshoot system and network problems, diagnosing and solving hardware or software faults and escalate to IT Manager as necessary.

## SKILLS

### Technical

Python  
Power BI  
SQL  
Azure ML  
Tableau  
R Language  
Google Analytics  
MATLAB  
EHR  
LabVIEW  
C#.Net

### Personal

Problem Solving  
Analytical Skills  
Creative Thinking  
Project Management  
Cooperate Training  
Rapport Building

## HIGHLIGHTS

**Business Analytics** using Power BI and Python for various level of management

Working on **ML model** to improve turn-around time of **ECG** and **ECHO** using various **python libraries** and **Azure ML**

Experience **Presenting Statistical Findings** various level of management

**Partial load Faculty** at Durham College, School of Science & Engineering Technology

**Biomedical Innovation Award** for “**Mobile based ECG System**” project from Department of Science & Technology, Government of Gujarat (India).

## EDUCATION

**Microsoft Professional Certificate in Data Science**

Microsoft Online, edX, 2017

**MS in Biomedical Engineering**

Wayne State University, Michigan, USA, 2014

**BTE in Biomedical & Instrumentation Engineering**

Ganpat University, Gujarat, India, 2011