



Shenin Francies

Data Science | Medical Engineer

Detail-oriented Data Scientist, with strong analytical and technical skills, guided by the passion to work towards a unified cause. Recent graduate of Medical Engineering who conducts independent researches. Conversant in culture diversity due to exposure to international relations based off of studying and living in India, Kuwait, United Arab Emirates and Germany.

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EDUCATION

Biomedical Engineering, MSc

Hochschule Furtwangen University

09/2019 - 02/2022

Baden-Württemberg, Germany

Courses

- Physiological Modelling
- Artificial Intelligence
- EU Regulatory Affairs
- Artificial Organs

Electrical and Electronics Engineering, BEng.

Heriot-Watt University

09/2016 - 11/2019

Dubai, United Arab Emirates

Courses

- Control Systems and System Theory
- MATLAB and Simulink
- C and C++ Programming
- Mechanical Design

WORK EXPERIENCE

Intern - Data Science and Machine Learning

Luminar Technolab

07/2022 - Present

Kerala, India

Tasks

- Preprocessing of Datasets using Python libraries such as NumPy and Pandas.
- Applied Supervised and Unsupervised Machine Learning techniques on datasets to derive meaningful insights from the model.
- Familiarized with Deep Learning frameworks such as TensorFlow and Keras.
- Skilled in employing Data visualization tools such as Tableau and PowerBI.

Research Assistant

Hochschule Furtwangen University

08/2021 - 09/2021

Baden-Württemberg, Germany

Tasks

- Researched the Two- and Four-Electrode methods in Electrical Impedance Tomography.
- Built circuits and assessed the signal strength.
- Improved the circuit for optimal performance.

Contact : Dr. Alberto Battistel - baa@hs-furtwangen.de

SKILLS

TensorFlow

Keras

Scikit-learn & SciPy

Apache Spark

Pandas & NumPy

AWS EC2

Tableau

PowerBI

NLP

Microsoft Office

Streamlit

MATLAB

Medical Device Calibration

PERSONAL PROJECTS

Deploying ML Projects using Streamlit and Python
(12/2022 - Present)

- Deploying the projects using Streamlit in conjunction with Python.

Applications of Machine Learning in Healthcare
(12/2022 - 12/2022)

- Implemented Machine Learning algorithms to make predictions on various healthcare datasets.

CERTIFICATES

Applied Data Science with Python - Level 2
(11/2022 - 12/2022)

IBM

Big Data Foundations - Level 2 (11/2022 - 12/2022)

IBM

Calibration and Testing of Medical Devices
(09/2022 - 10/2022)

Cyrix Healthcare Pvt. Ltd.

LANGUAGES

Malayalam

Native or Bilingual Proficiency

English

Native or Bilingual Proficiency

German

Full Professional Proficiency

French

Elementary Proficiency

INTERESTS

AI in Healthcare

Medical Technology

Literature