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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- in linkedin.com/in/shenin-francies
- ⓖ github.com/SheninFrancies

EDUCATION

Biomedical Engineering, MSc
Hochschule Furtwangen University

09/2019 - 02/2022   *Baden-Württemberg, Germany*

Courses

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

Electrical and Electronics Engineering, BEng.
Heriot-Watt University

09/2016 - 11/2019   *Dubai, United Arab Emirates*

Courses

- Control Systems and System Theory
- C and C++ Programming
- MATLAB and Simulink
- 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` `MATLAB` `Amazon Web Services` `Medical Device Calibration` `Tableau` `PowerBI` `NLP` `Microsoft Office`

PERSONAL PROJECTS

Application of Deep Learning and Machine Learning (12/2022 - Present)

- .Scavenging data from the internet and employing ML/DL Techniques.

Applications of Machine Learning in Healthcare (11/2022 - 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`