KALPESH JAISWAL

Python Developer

Seeking a Python Programmer position in a reputable company that permits me to utilize my Programming skills and knowledge. Highly-dedicated, self-motivated, and enthusiastic Python Programmer with 2 years of experience in Python Programming.

✉ kalpeshjaiswal1998@gmail.com

📍 B11, Modal Town, Agra Road, Jamdoli, Jaipur, India

 github.com/kalpesh1998

📱 +91-7073792791

in linkedin.com/in/kalpesh-jaiswal-b743a311a

WORK EXPERIENCE

Project Fellow
CSIR-CEERI, Pilani

08/2018 – 03/2020   *Pilani, Rajasthan.*
CSIR- Central Electronics Engineering Research Institute.
Achievements/Tasks

- Worked on development of Ksheer scanner system (milk testing).
- Data acquisition, manipulation of milk samples with various adulterants using NIR spectrometer.
- Spectrum of various samples of adulteration visualized using machine learning algorithm in MATLAB/Python.
- Analysis of data to set the limit of pure milk using thousands of samples of it.
- Designed and developed an experiment to decide the minimum detection limit for various adulteration in milk.
- Worked on block chain milk monitoring system web development as a Python Django developer.
- Worked on milk sensor interfacing with micro-controller communication protocol.
- Sample preparation of Milk with various adulterants.
- Material optimization of RF MEMS Capacitive switches used in fabrication in satellite communication.
- Analysis of mechanical and electrical properties of materials using MATLAB.

Training
CSIR-CEERI Pilani

01/2018 – 06/2018   *Pilani, Rajasthan*
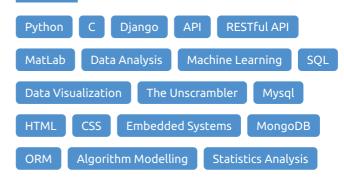*Achievements/Tasks*

- Interfacing of Heart Sensor with TI micro-controller.
- Hands-on experience on CC2640R2F BLE Launchpad of Texas instrument and Arduino UNO Microcontroller board.
- Worked on communication protocol I2C, SPI, UART on foundation level.
- Collect and calibrate the heart rate and pulse oximeter data into readable format.
- Visualize the data of heart rate sensor.

EDUCATION

B.Tech (ECE)
The ICFAI University Jaipur

08/2014 – 06/2018   *CGPA- 9.93*

SKILLS

Python | C | Django | API | RESTful API | MatLab | Data Analysis | Machine Learning | SQL | Data Visualization | The Unscrambler | Mysql | HTML | CSS | Embedded Systems | MongoDB | ORM | Algorithm Modelling | Statistics Analysis

PROJECTS

Design of 32-Bit ALU using Verilog (07/2017 – 12/2017)

High Requency RF MEMS Capacitive Switches (08/2018 – 10/2018)

Development of software for Real Time monitoring of milk supply chain. (12/2018 – 03/2020)

Food and Consumer Safety Solutions (12/2018 – 03/2020)

Development of affordable technologies for quality milk assessment (12/2018 – 03/2020)

Interfacing of Heart Rate Sensor and Pulse Oximeter with TI Microcontroller (01/2018 – 06/2018)

ACHIEVEMENTS

Achieved 1st Rank in B.Tech(2014-18) with an aggregate CGPA of 9.93

Received 30% scholarship in all the semesters under 'University Topper's Scholarship Programme'

LANGUAGES

HINDI
Full Professional Proficiency

ENGLISH
Full Professional Proficiency