MOBIA JACOB

A passionate engineer with highly organized, precise and logical in researching technologies exploring opportunities to restart my career after motherhood break with new growing path in Big Data Technology.

Contact

+91 8281256419

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Education

- Big Data Analytics
  2022 -2023
  Expertzlab
  Technologies,
  Ernakulam, Kerala

- Master of Technology
  (Communication
  Systems-2012-2014)
  Christ University, Bangalore.

- Bachelor of Engineering
  (Electronics and
  Communication
  Engineering)
  Dr.Navalar
  Nedunchezhiyan
  College of Engineering,
  Tholudur(T.N)

Programming Language & Software Known

- C, C++
- PYTHON
- SQL,HQL
- HTML,CSS
- MATLAB
- LabVIEW
- Xilinx

Big data Technology

- Apache Hadoop
- Apache Hive
- Apache Pig
- Apche Spark,sqoop
- MYSQL, HBase

Teaching Assistant (2013- 2014), CUFE, Bangalore

- Served as a teaching assistant for Digital Signal Processing Lab
- Served as a teaching assistant for Digital Electronics Lab

Projects Undertaken

- Designed a twitter sentiment analysis system by using spark streaming in pyspark and keep it in HDFS.
- Found partitions and average delay of flights in each airport by using HIVE,data taken by the help of kaggle.com and keep it in HDFS.
- Number guessing game in python to generate a random number and track how many times it takes user to track the number.
- Mobile and Wireless network security to improve beam switching capability of Smart Antenna to prevent eavesdropping attacks in MATLAB.
- New Automated Storage and Retrieval System using wireless communication used ARMLPC2129Microcontoller
- Simulation of Direction of Arrivals (DOA) in Smart Antenna by the help of MATLAB.
- Sequential Studies of Beamforming Algorithms in MATLAB.
- Implementation of Park-McClellan Algorithm on MATLAB.
- Smart trash receptable using 8051 Microcontroller.

Publications

- Presented a paper on simulation of smart antenna under the influence of white signal and DOA in an international conference conducting by ICCCV in December 2013.

- Presented a paper on Antennas in an International Conference conducted by SRIT in 2012.

Internship/Workshop

- Research on Antennas, BSNL Idukki, Kerala
- Workshop on LabVIEW at IRTT, TN.

Add-on Certification

- Certificate on Programming in C, C++ Alpha Computers, Kerala

Achievements

- Won First Price in Mini College level Project Exhibition
- Coordinated Paper Presentation at Magnovite 2013, National Level Tech fest at Christ University, Bangalore