BIPUL KUMAR SHAHI

TRAINER & CONSULTANT – DATA SCIENCE, DATA VISUALISATION, ML, NEURAL NETWORKS, NLP, IOT, RPA

PERSONAL PROFILE

Passionate research & development (R&D) professional with more than 8 years of combined hands-on and training experience across various industries. Specialize in developing training roadmap & competency framework, on boarding programmer, learning management system, focus-group/workshop facilitation, employee survey and project management.

in https://www.linkedin.com/in/bipulshahi/

⌨ https://github.com/bipulshahi

k https://www.kaggle.com/vipulshahi

✉ vipulshahi25@gmail.com

📱 +91 95823 18785, +91 99114 95996

🎓 EDUCATION HISTORY

Uttar Pradesh Technical University, 2010 – 2014
Bachelor of Technology (ECE)

RELEVANT SKILLS

- Data Science & Machine Learning
- Data Visualization - Tableau/Power Bi
- Neural Network & Deep Learning
- Computer Vision (Image & Video Preprocessing)
- Natural Language Processing (NLP)
- Internet of Things & Cloud Computing
- Block Chain
- Robotic Process Automation (UiPath)
- Android App Development

💼 Career Summary

- **E**xperienced in the field of "IOT", "Block chain", "Data Science" , "Tableau", "PowerBi" , Artificial Intelligence"," RPA" and "Android App Development" for more than 9 years.
- **P**rogramming Languages Expertise:- Python, PySpark, R, Solidity, EMBEDDED C
- **T**ools, Software & Framework Expertise:- PyCharm, Jupyter Notebook, R-Studio, UiPath, VSCode, Tableau, Tensorflow, Django, OpenCV, SciKit-Learn, Remix, Atmel Studio 6.1, Arduino IDE
- **H**ardware Expertise:- ATMEL'S ATMEGA (8/16), Xbee, HC-05 Bluetooth Module, Arduino, Raspberry Pi, Intel Edison
- **W**orkshops and Training Delivered: 10000+ hours on technologies namely AI, ML, Data Science, Data Visualization, Deep Learning & Neural Network, NLP, Block Chain, RPA, Android, Embedded System, IOT and Drones

Training Delivered for -

Language

- English Fluent
- Hindi Native

Area of specialization (Experience 9+ Years) : -

Artificial Intelligence & Data Science-

- Artificial Intelligence Project development using Python & R.
- Machine Learning using different Regression & Classification Techniques. (Linear & Logistics Regression, K-Means, SVM, DTC, KNN etc.)
- Data science, Data Analytics & Statistical Learning through Pandas package
- Data Visualization and Dashboard Creation using Tableau
- Deep Learning & Neural Network through Tensorflow packages using Keras, Tflearn and Theano supports

Internet of Things and Cloud-

- Worked on IOT development using cloud services such as MS Azure, AWS IOT, Thingspeak, Xively & IBM Watson
- AWS Lambda, IOT & EC2 Services
- Microsoft Azure – Data Bricks & Synapse Analytics

Software & Information Technologies-

- Training & Development done through various programming languages HTML, CSS, JS, Python & Django using Linux and windows environments.
- Used Embedded C for SOC & Driver development.
- Android and Smart Apps using Android Studio, Eclipse with Android SDK and MIT App Inventor

Blockchain and Smart Contract-

- Blockchain Network configuration
- Cryptocurrency development and transaction
- Ethereum Network Configuration for smart contract
- Smart Contract for banking system using solidity
- Smart Contract for voting system and Lottery
- Deployment of Smart Contract on Ethereum Network
- Hyperledger development and deployment

Embedded, Networking & Electronics-

- Worked on some communication Protocols including wireless & wired such as 802.15.4, BLE, WiFi, SPI, I2C, UART, RS232, Https & Mqtt
- Worked on 8/16/32 bit microcontrollers and development boards like Arduino/Raspberry Pi/ Intel Galileo
- Designed circuits for different electronics units and sensors including digital & analog, PCB layout development using Eagle/Portus tools with EMI/EMC

Artificial Intelligence & Data Science
- Walmart Sales Data Visualization as a part of Business Intelligence
- Insurance claim Prediction Model
- Cancer Prediction & Diabetic Identification Using Machine Learning
- Weather Forecasting
- Object Detection using Deep Learning and Neural Network
- Hand Written Image Recognition
- Sentiment Analysis using social platform such as Twitter
- Development of Recommendation system using user last preferences
- Text mining of any text format database
- Mining of customer behaviour of any retail industry
- Tensor Flow Image Recognition on a Raspberry Pi
- Recognizing Objects with Deep Learning
- Self-driving Car with Pytorch and Kivy for implementation of Artificial intelligence.
- Animal Detector with CNN to detect 30 different animals and 20000 images with the accuracy rate of 96% on the 5000 test data.
- BSE Prediction with quandl, lstm , RNN-LSTM, keras and Tensorflow for live prediction of Bajaj Auto Company at Bombay stock exchange.
- Banking and Insurance Domain project with Artificial Neural network, Keras and Tensorflow to understand the customer behaviour and their retention with banking out of huge data set.

Internet of Things
- IOT Based Home Automation & Home Security Model with Al
- Industrial IOT & AI for People-Tech
- Industrial IOT & AI for Continental tyres

Blockchain
- Smart Contract development for Online voting system using Ethereum based Remix and Solidity.

- **Walmart Data Analysis and Visualization**

🔗 https://github.com/bipulshahi/Data-Science/blob/main/Walmart_DataVisualization.ipynb

- **Used car price prediction Model**

🔗 https://github.com/bipulshahi/Data-Science/blob/main/Car_resale_price_prediction.ipynb

- **Big Mart Sales Value prediction Model**

🔗 https://github.com/bipulshahi/Data-Science/blob/main/Big_Mart_Sales_Value_Prediction_Model.ipynb

- **Lung and Colon Cancer cell Identification Model**

🔗 https://www.kaggle.com/code/vipulshahi/lung-colon-cancer-detection-cnn

- **Natural Image Identification Model**

🔗 https://www.kaggle.com/code/vipulshahi/cnn-natural-images

- **Face Mask Recognition Model**

🔗 https://github.com/bipulshahi/codes/blob/master/Mask.py

Work Experience

- Times Globacom Pvt. Ltd., Delhi - Senior Research Engineer (Embedded System) Sep-2014 to July 2016 (2 Years)
- Revert Technologies Pvt. Ltd. - Front-end Developer (IOT & AI) Sep 2016 to Dec 2017 (1.5 Years)
- SkillIT Nation, SkillThon, Delhi - Technical Lead (IOT & AI) Dec 2017 to Jan 2019
- Corporate Trainer & Developer – Freelancer (IOT, AI, Android, Robotics, Cloud) Sep 2019 to Present
- Data Science & ML Consultant - aieagle.in - Sep 2022 to Present

Clientele

- CareerX
- Diginique Techlabs
- IHUB - IIT Roorkee
- EICT - IIT Roorkee
- EICT - IIT Patna
- Knowledge Hut
- FunctionUP
- People-Tech
- Continental tyres
- BCG
- Just Compile
- ITS Group
- Lithan - Singapore
- Millicient technologies
- EduxLabs
- BDTask - Bangladesh etc.