Kuldeep Luvani

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SUMMARY

- 3+ years of experience in hardware design, algorithm development, deep learning, machine learning and data modeling.
- Proficient in Python programming with strong understanding of designing and training machine learning models like KNN, Naïve Bayes, Support Vector Machine, Decision Tree, ranking algorithms and Random Forests.
- Good experience in developing Supervised and Unsupervised learning using high end python libraries like Scikit-learn, TensorFlow, Keras, Cafee, PyTorch, Gensim, NumPy, SciPy, Pandas and Matplotlib.
- Used GGplot and Seaborn for real time data visualization and Python ORM, Hadoop, SQLAlchemy, Redis, MySQL, PostgreSQL for high-volume and high-performance database operations.
- Good knowledge of Image processing, Topic modeling, Cryptocurrency trading bot designing, Natural language processing, Signal processing, APIs, Statistical data analysis, Probabilistic data modeling and simulation and Apache kafka on AWS EC2 and Linux platform.

EDUCATION

Masters of Science in Computer Science – California State University, Long Beach (Dec 2017)
Bachelors' of Technology in Electronics – Charotar University of Science and Technology (May 2013)

PROFESSIONAL EXPERIENCE

Funguana INC – **Software Engineer** (Jan 2018)
- Developed an automated trading bot using technical indicator analysis and machine learning techniques.
- Increased trading profit by 20% using correlative trading and google trend analysis.
- Currently, working with forecasting and data mining techniques, such as linear and non-linear regression, neural networks and SVM for better trading.

California State University Long Beach – **Research Project** (Aug 2016 – Dec 2017)
- Designed a wearable keyless computer keyboard that uses machine learning techniques using Python.
- This gadget made from integration of sensors and machine learning technologies that eliminates requirement of physical computer keyboard and is useful in VR technology.

California State University Long Beach – **Graduate Candidate** (Aug 2015 – Dec 2017)
- Distracted Driver Detection: Designed a convolution neural network that detects distracted driver and classify its type of distraction. Real time testing accuracy of this model is measured 83%.
Language: Python Technology: CNN(VGG16), Classification, AWS, Keras
- Referral System on Blockchain: Created smart contract using Solidity 4.18 on Ethereum blockchain that supports three party transaction.
- Time Series Prediction – Stock Prediction Engine: Developed a data science prediction engine to predict exchange rates and corresponding stocks.
Language: Python (OOP) Algorithm: Regression, ARIMA Technology: Sklearn, TensorFlow

California State University Long Beach – **Research Assistant** (May 2016 – Jan 2017)
- Developed an advance computational model to implement computer automation for dual x-ray image processing techniques, pattern classification and data mining to detect nuclear substance in cargo containers.
- Contributed in automation process for detecting nuclear substance which reduces the excessive inspection time while increases the detection accuracy.

EInfochips – **Design Engineer** (Feb 2013 – Mar 2015)
- Integrate and validate product design and code. Analyze and enhance stability, scalability and efficiency of system by troubleshooting embedded targets Experienced in agile and waterfall methodology.

SKILLS:
Languages: Python, R, C, Solidity, C++, SQL, Java, Shell scripting
Tools: JetBrain, R Studio, MATLAB, remix, Weka, aRTist, Github, Eclipse, Keil