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.
- Good experience in developing Supervised, Unsupervised and Reinforcement learning models using high end python libraries like sci-kit learn, tensoflow, keras, cafee, pytorch, and gensim.
- Good knowledge of Image processing, Topic modeling, Cryptocurrency trading bot designing, Making smart contract on blockchain, Natural language processing, Signal processing, APIs, Statistical data analysis, Probabilistic data modeling and simulation and Apache kafka on AWS and Linux platform.
- Secured a place in top 20% hackerrank algorithm solvers also have 20+ hours of experience with Solidity.

EDUCATION

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

PROFESSIONAL EXPERIENCE

California State University, Long Beach - Research Project (Aug 2016 – Currently)
- Created an amazing wearable keyless computer keyboard that uses machine learning techniques using Python OOP.
- This gadget made from integration of sensors and machine learning technologies like Hidden Markov Chain, Viterbi Algorithm, Corpus word prediction, MLE and built predictive model.

California State University, Long Beach – **Graduate Candidate** (Aug 2015 – Dec 2017)
- Movie Recommendation Engine: Analyzed movie data to provide smart recommendation based on user ratings.
Language: Python (OOP), R Algorithm: Pearson similarity
- Distracted Driver Detection: Build a convolution neural network that detects distracted driver and classify its type of distraction.
Language: Python (OOP), R Technology: CNN(VGG16), Classification, AWS, keras
- Referral System on Blockchain: Created smart contract using Solidity 4.18 on Ethereum blockchain that support three parties.
- Time Series Prediction – Stock Prediction Engine: Developed a data science prediction engine to predict exchange rates and corresponding stocks
Language: Python (OOP), R Algorithm: Regression, ARIMA Technology: sklearn, tensorflow
- Twitter Sentimental Data Analysis: A text analysis algorithm to classify polarity of any tweet using NLTK
Language: Python (OOP), R Algorithm: Sentiment analysis Technology: NLTK, Twitter API

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.
- Implemented K-mean clustering technique to demonstrate unsupervised classification technique with color based image segregation and canny edge detection techniques using Python OOP.

EInfochips – **Design Engineer** (Feb 2013 – Mar 2015)
- Worked on designing of hardware product and implemented software from requirement to production and commercial deployment.
- 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, Assembly Language, Shell scripting
Tools: JetBrain, R Studio, MATLAB, remix, Weka, aRTist, Github, Eclipse, Keil