

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, SVM, Decision Tree and Random Forests.
- Good experience in developing Supervised, Unsupervised and Reinforcement learning models using high end python libraries like sci-kit learn, tensorflow, keras, cafee, pytorch, gensim, NumPy, Scipy, Pandas and Matplotlib.
- Used GGplot and seaborn for real time data visualization and Python ORM, SQLAlchemy, Redis, SQLite, PostgreSQL for high-volume and high-performance database operations.
- 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.

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 – Data Scientist (Jan 2018)

- Created an automated trading bot using technical indicator analysis and machine learning techniques.
- Increase trading profit by 20% using correlative trading and google trend analysis. Worked with forecasting and data mining techniques, such as linear and non-linear regression analysis, neural networks and support vector machines for better trading.
- Working with API services, database, and machine learning concepts like RNN, LSTM, lag model for prediction.

California State University Long Beach – Research Project (Aug 2016 – Dec 2017)

- 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)

- **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

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.

Elinfochips – 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, Assembly Language, Shell scripting

Tools: JetBrains, R Studio, MATLAB, remix, Weka, aRTist, Github, Eclipse, Keil