Kuldeep Luvani

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SUMMARY

- 5+ 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 sci-kit learn, tensoflow, keras, cafee, pytorch, gensim, NumPy, Scipy, Pandas and Matplotlib.
- Used GGplot and seaborn for real time data visualization and Python ORM, Hadoop, SQLAlchemy, Redis, SQLite, PostgreSQL, Elasticsearch cluster 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, fully automated ML deployment pipeline 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

ZEFR – Data Engineer (Apr 2020 – Present)
- Responsible for the updating current data pipeline for business needs and optimizing for faster and quality data processing. - Wrote tools to automate millions of video metadata processing along with analytics suits with affordable latency.
- Using Python, Kafka, Airflow, Spinnaker, Terraform, Kubernetes charts to deploy ETL components to AWS.

AT&T (IITJobs, Inc.) – Software Developer (Oct 2018 – Apr 2020)
- Responsible for the Analytics & Data Science Tools Evaluation through building machine learning models on tools like Zeppelin, RCloud, H2O Driverless AI, CMLP and AWS Deep Learning AMIs.
- Used Python and Spark to read, clean, and analyze large datasets.
- Designed churn and free cash flow model to improve business strategies and financial savings by $150M using technologies like pyspark, dask, airflow, TensorFlow, LSTM, Numpy, Pandas, lag modeling, XGBoost, and many more.

Funguana INC – Data Scientist (Jan 2018 – Oct 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. Working 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 – 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.

EInfochips – Design Engineer (Feb 2013 – Mar 2015)
- Integrate and validate product design and code. Analyze and enhance stability, scalability and efficiency of system.

SKILLS:

Languages: Python, R, C, Solidity, C++, SQL, Java, Shell scripting
Tools: Jupyter Lab, PyCharm, R Studio, MATLAB, Weka, aRTist, Github, Eclipse