

VIVEK SINGH

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Software Developer with 3 years of Industrial Experience in Java, SQL QTP, QC & Banking Management along with strong background in Computer Vision and Machine Learning. Teaching Assistant for Coursera Blockchain Specialization. Seeking full time opportunities at your organisation starting February 2018.

Skills:

Languages: Java, R, Python, C, Octave, VBA.

Tools: Hadoop, Apache Spark, Apache Lucene, TensorFlow, Tableau, AWS, QTP, QC.

Web Skills: Material, Bootstrap, HTML5, CSS, JavaScript, LESS, SASS, Grunt, Gulp.

Work Experience:

Accenture Services Pvt Ltd., India (Software Engineer Analyst)

Jan 2013 – July 2014

- Performed functional and integration testing of the client's field services portal while working on the Agile model.
- Developed an automated tool to prepare monthly report mail for the client by connecting excel with SAP database and MS outlook using EXCEL VBA. Reduced the report generation time by 95%.
- Contributed in all the stages of SDLC working closely with client and developers in requirement gathering and testing of Field Services portal for the client. Achieved 100% automation of manual test scripts.
- Trained testers for developing automation scripts using QTP and its integration with QC.

Indian Bank, India (Assistant Manager in Banking and Technology Management)

Oct 2014 – July 2016

- Supervised and resolved technical issues pertinent to banking applications and software. Advertised and serviced banking products to each level of corporate and individual customers.
- Lead a team of six staffs to perform credit appraisal and credit administration.

Education:

Masters of Science, SUNY, University at Buffalo, NY. - GPA: 3.75

February 2018

Computer Science Major (Specialization in Artificial Intelligence)

Bachelor of Technology, WBUT, West Bengal, India. - GPA: 8.53/10

June 2012

(Electronics and Communication Engineering Major)

Projects:

- **Private Block Chain:** Designing Labwork for Coursera Blockchain specialization. Implemented peer connections and transaction on private Ethereum block chain running on AWS server. (*Ethereum, geth*)
- **Cross Lingual Search Engine:** Designed a custom Query Parser in Solr to handle cross-lingual search using Google Translate API over tweets collected using Twitters REST API. Integrated Solr's features like content tagging, faceting and query boosting. Achieved 85% precision on TREC eval. Evaluated different retrieval models like Vector Space, BM25 and Language models on twitter data. (*Apache Solr, AWS, API, REST, Java, HTML, CSS*).
- **Large scale data (text) processing with Hadoop map reduce:** Implemented Map Reduce algorithms on Hadoop for word count, word co-occurrence and sentiment analysis over multiple documents. (*Hadoop, Java, Map reduce, R, Twitter API*).
- **Analysis of Twitter trend using R:** Applied statistical modelling & data mining techniques for Analysis and Visualization of geospatial information extracted from the tweets (*Python, R, Jupyter, Anaconda, RESTful API, Google Map API*)
- **Genetic Mutation Classification (Kaggle):** Tensorflow implementation of document classification Recurrent neural network.
- **Movie recommender system:** Implemented collaborative filtering to develop a simple movie recommender system (*Octave*).
- **Anomaly Detection System:** Implemented algorithm to detect anomalous behaviour in server computers. (*Octave*)
- **Spam classification:** Implemented Support Vector Machine to flag Spam emails. (*Octave*)
- **Handwritten digit classification and Facial feature recognition:** Implemented multilayer perceptron neural network in python to identify handwritten digits with 97% accuracy & differentiate between face with & without glasses. (*Tensorflow, Jupyter*).
- **Group messenger:** Androd messenger app that can send message to multiple devices, store them in a permanent key-value storage (content provider) and have ordering guarantees. Also implemented DHT and Dynamo. (*Java, Socket, Multithreading*)

Achievements:

- Awarded ACE award at Accenture for proactively developing a tool to automate the generation of chargeback mails.
- Awarded Top performer at Indian Bank training for assistant managers.

Other Associations:

- **Coursera Block Chain:** Teaching Assistant for Coursera Blockchain Specialization.
- **Computational Science Club (UB):** Secretary at CSC club, UB. Provided workshops for Bitcoins and underlying technology.