

## EDUCATION

### SAN JOSE STATE UNIVERSITY

San Jose, California

*Master of Science (MS)* in Computer Science

*Aug 2016 - May 2018 (expected)*

- *Graduate Coursework:* Topics in Artificial Intelligence, Big Data Analysis, Bioinformatics, Computer Creativity via AI, Object Oriented Analysis, Advanced Computer Architecture, Advanced Parallel Processing, Neuro Feedback Systems Studies. MS Project: Modeling Brain Waves as Mandala Artwork with an Electroencephalogram (EEG) device
- GPA – 3.63/4.00

### NMAM INSTITUTE OF TECHNOLOGY

Nitte, India

*Bachelor of Engineering* in Computer Science and Engineering

*Aug 2008 - June 2012*

- *Undergraduate Relevant Coursework:* C Programming, Data Structures, Logic Design, Object Oriented Programming, Design and Analysis of Algorithms, Software Engineering, Microprocessor & Peripherals, Operating Systems, Java & Internet Technologies, Computer Networks, C# Programming and Design Patterns
- CGPA: 8.54/10.00

## WORK EXPERIENCE

### HCL TECHNOLOGIES LTD

Bengaluru, India

*Software Engineer*

*Aug 2012 – Jan 2015*

- Client: Juniper Networks | Upgraded router's web pages from extjs 2.2 to 4.2 version | Fixed UI, functionality, browsers and backend related issues | Carried out white and black box testing of pages across modern browsers and their different versions
- Client: Veeco | Carried out data cleaning | Built desktop installation using XML and MS Access database with C#

**TECHNICAL SKILLS:** Python, Java, Apache Hadoop, Apache Spark, Apache Kafka, MapReduce, MuseIO, Processing, JavaScript

## GRADUATE RESEARCH

### Mandala Generation: Connecting Neuro feedback with artwork with Dr. Ackerman and Dr. Heller

*Feb 2017- ongoing*

- Reading different brainwaves with EEG inference device(Muse) to create Mandala (Tibetan artwork) for healing and relaxation
- Tools: Processing, MuseIO

### Draw My Emotion: Generating Visual Artwork via Sentiment Analysis with Dr. Ackerman

*Sep - Dec 2016*

- Analyzed sentiments in incoming tweets, generated mood defining visual artwork based on tweet sentiment
- Tools: Python, Turtle graphics module, Python Imaging Library (PIL) module, Tweepy API; GitHub: [goo.gl/Zh3nwY](https://github.com/Zh3nwY)

## ACADEMIC PROJECTS

### Anomaly Detection: Using MapReduce to detect anomalies in audit log file

*Feb – Mar 2017*

- Used mapper and reducer approach to find anomalies in login data
- Tools: Java (Eclipse IDE), MapReduce; GitHub: <https://goo.gl/txwtme>

### Stock Prices Prediction: Using Apache Spark and Kafka on historical data from Yahoo! Finance

*Mar – Apr 2017*

- Created a streaming data pipeline using Apache Spark and Kafka to predict future stock prices based on historical data
- Tools: Java (Eclipse IDE), Apache Spark and Apache Kafka; GitHub: <https://goo.gl/vzUc9I>

### Cancer Detection: Using Neural Networks and Recursive Feature Elimination

*Jun 2017*

- Used Neural Networks to detect malignant and benign cancer and recursive feature elimination for feature selection
- Tools: Python, Pandas, NumPy; GitHub: <https://goo.gl/vEHZcH>

### YouTube Analysis: Using MapReduce to analyze and clean YouTube records

*Nov 2017*

- Used mapper and reducer approach to clean and calculate top statistics of YouTube records
- Tools: Java (Eclipse IDE), Hadoop MapReduce; GitHub: <https://goo.gl/aHtnME>

### Emoji Bot: Using Sentiment Analysis to predict emotion

*Nov 2016*

- Used sentiment analysis to tweet predicted emotions with Emoji
- Tools: Python, Tweepy API; GitHub: <https://goo.gl/w6cYaa>