

ANAMIKA SHARAF

Email: kumarianamika.sharaf@sjsu.edu

Website: anamikasharaf.github.io

Phone: 512-993-4169; Cupertino, CA

OBJECTIVE

Seeking internship/co-op in the areas of big data, artificial intelligence, applied machine learning, software engineering and algorithm

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, MS Project in Modeling Brain Waves via Muse (an EEG device), Advance Computer Architecture, Advance Parallel Processing
- GPA – 3.68/4.00

NMAM INSTITUTE OF TECHNOLOGY

Nitte, India

Bachelor of Engineering in Computer Science and Engineering

Aug 2008 - June 2012

- *Undergraduate 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

TECHNICAL SKILLS: Python, Java, MapReduce, Apache Spark, Apache Kafka, Processing

WORK EXPERIENCE

HCL TECHNOLOGIES LTD

Bengaluru, India

Software Engineer

Aug 2012 – Jan 2015

- Upgraded web pages from extjs 2.2 to 4.2 version along with fixing UI, functionality, browsers and backend related issue
Client: Juniper Networks
- Carried out data analysis using XML and MS Access database technologies – Client: Veeco

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, Twitter API; GitHub: [goo.gl/Zh3nwY](https://github.com/goo.gl/Zh3nwY)

ACADEMIC PROJECTS

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

Feb - March 2017

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

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

March – April 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](https://github.com/goo.gl/vzUc9I)

Cancer Detection: Using Neural Networks and Recursive Feature Elimination

June 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](https://github.com/goo.gl/vEHZcH)

Object Oriented Modeling via StarUML

Sep - Dec 2016

- Created conceptual models in StarUML; implemented them in Java (exercising constraints and resource management)
- Tools: StarUML, Java (Eclipse IDE); GitHub: [goo.gl/2H8rtk](https://github.com/goo.gl/2H8rtk)