ANAMIKA SHARAF

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OBJECTIVE

Seeking full-time/co-op/internship opportunities in areas of big data, applied machine learning, software engineering and algorithms

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, Advance Computer Architecture, Advance Parallel Processing. MS Project: Modeling Brain Waves as Mandala Artwork with an Electroencephalogram (EEG) device.
• 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, JavaScript

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 in C# – 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

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

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

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

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