ANAMIKA SHARAF

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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

ACADEMIC PROJECTS

Anomaly Detection: Using MapReduce to detect anomalies in audit log file — *Feb - March 201*
- 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 201*
- 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 201*
- 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