ANAMIKA SHARAF

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OBJECTIVE

Seeking internships in the areas of big data, artificial intelligence, 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, MS Project in Modeling Brain Waves via Muse (an EEG device)
• GPA – 3.68/4.00
• *Standardized Test Scores*: GRE – 306, TOEFL – 97.

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, Web 2.0 and Rich Internet Experience
• CGPA: 8.54/10.00

TECHNICAL SKILLS: Python, Java, MapR, Apache Spark, Apache Kafka, Processing, Twitter API

WORK EXPERIENCE

HCL TECHNOLOGIES LTD   Bengaluru, India
Software Engineer   *Aug 2012 – Jan 2015*

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

GRADUATE RESEARCH

Manadala 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 Mandalas(Tibetan artwork) for healing and relaxation
- Tools: Processing, MuseIO

DrawMyEmotion: Generating Visual Artwork via Sentiment Analysis with Margareta 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

Anamoly Detection: Using MapReduce to detect anomaly in audit log file   *Feb - March 2017*
- Using mapper and reducer approach (MapR) to find anomalies in login data
- Tools: Java, MapR, Github: https://goo.gl/txwtme

Stock Prices Prediction: Using Apache Spark and Kafka on historical data from Yahoo! Finance   *March – April 2017*
- Creating a streaming data pipeline using Apache Spark and Kafka to predict future stock prices based on historical data.
- Tools: Java, Apache Spark and Apache Kafka, Github: https://goo.gl/vzUc9I

Cancer Detection: Using Neural Network and Recursive Feature Elimination   *June 2017*
- Used Neural Network 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