HARIKA ANDUGULA

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EDUCATION

Master of Science in Computer Engineering   **May 2021**
San Jose State University, San Jose, California, USA   **Current GPA: 3.75/4.0**
*Coursework***:** Business Intelligence, Enterprise Distributed Systems, System Software, Machine Learning, Data Mining, Large-Scale Analytics, Data Structures and Problem Solving, Micro-processor Design, Operating Systems.
Bachelor of Technology in Computer Science and Engineering   **April 2009**
Nagarjuna University, V.R. Siddhartha Engineering College, Vijayawada, Andhra Pradesh, India   **GPA: 3.6/4**
Coursework: Database Systems, C, C++, Digital Logic Design, Microprocessor Design, Computer Networks, Operating Systems.

TECHNICAL SKILLS

Languages	: JavaScript, Java, Python, C++
OS	: Windows, Linux, Mac OS
Web Technologies	: HTML5, CSS, Bootstrap, NodeJS, React, Redux, RESTful API, jQuery, JMeter, Mocha, Enzyme
Data Science	: Pandas, TensorFlow, NumPy, PyTorch, Apache Spark, NLP, Keras, Data cleaning and pre-processing.
Databases	: MySQL, MongoDB, PostgreSQL
Cloud Technologies:	AWS EC2, Docker, Heroku
Tools	: VSCode, Eclipse, IntelliJ, XCode

ACADEMIC EXPERIENCE

AI Models for Automatic Code Translation, *San Jose State University*   **Fall - 2020(Ongoing)**
Technologies: NLP, Neural Machine Translations, Encoder-Decoder, jQuery, React, Redux, JWT, MongoDB, AWS EC2.
- Developing AI models for translating Python programming language to R programming language and vice versa.
- Training and validation datasets are taken from GitHub and performing tokenization to build mini dictionary corpse.
- Integrating AI model with user friendly web application where user can provide his authentication and begin translations.

Glassdoor Prototype, *San Jose State University*   **Fall-2020**
Technologies: MySQL, MongoDB, Node JS, JSON Web Token, React, Redux, Apache Kafka, Redis, JMeter, Mocha, AWS EC2.
- Developed a web application that tracks the student's job application and employer's job posting activities.
- It dynamically performs statistical analysis on job application status with respect to user's demographics.
- The application's performance is verified under various workloads using JMeter.
- Different authorizations are created and applied to users based on their roles (student and employer) using JSON Web Tokens.

Yelp Prototype, *San Jose State University*   **Fall-2020**
Technologies: MongoDB, Node JS, JSON Web Token, React, Redux, Apache Kafka, Redis, JMeter, Mocha, Enzyme, AWS EC2.
- Developed a web application that allows users to search for nearby restaurants, view their menu and make an order.
- Customized the application to allow restaurant owners to maintain and update order status.
- It also provisions users to browse through various upcoming events and register to them.
- A chat room feature is developed in the application allowing the users to communicate with restaurant owners and event organizers.

Social Networking Application, *San Jose State University*   **Summer-2020**
Technologies: MongoDB, Node JS, Express, JSON Web Token, React, Redux, Heroku
- A web application that serves developers to build their connections with other developers in the same field.
- The developers can maintain their education, job experiences, skill set and has access to view other developer's profile based on specific searching criteria.

PROFESSIONAL EXPERIENCE

Technical Services Specialist, IBM India Pvt. Ltd., Hyderabad, India.   **Dec 2014 - Aug 2017**
- Developed a module that helps to fetch data from centralized database and create service models using Java.
- Led a team of 9 members to follow guidelines of service, incident, and change management in the agile framework which increased efficiency of service management by 20%.

Senior Software Engineer, Tech Mahindra, Chennai, India   **Jul 2013 - Nov 2014**
- Configured alert mechanism for early detection of network outage and collaborated with different teams to resolve amber alerts.
- Developed a feature that fetches network device details which needs monitoring from SMARTS application using Java.

Software Engineer, Computer Sciences Corporation, Chennai, India   **Jan 2010 - Jul 2013**
- Automated device discoveries in SMARTS application monitoring environment which reduced the manual discovery task.
- Deployed new feature in SMARTS application that extended the application monitoring levels to disk space of servers.

ACHIEVEMENTS

- Achieved Best Employee award for actively resolving priority issues.
- Completed the course on Agile Scrum – Jira Framework.