Meghana Sreepada

msreepad@asu.edu | Tempe, AZ 85281 | +1(480)-791-6585 | https://www.linkedin.com/in/meghana-sreepada

Summary

Software Engineer with 3 years of professional experience and strong programming skills, pursuing Masters in Information Technology. Proven skills in Web Development, Data Visualization and Project Management.

Education

Arizona State University, Mesa, AZ — Aug 2021-Present
M.S., Information Technology (Spec: Big Data Analytics, Machine Learning) — CGPA 4.0/4.0
Relevant Coursework: A*nalyzing big data, Data in the Cloud, Natural language processing, Principles of Information Technology and Computer Architecture, Information Systems Development, Data Visualization.*

Osmania University, Hyderabad, India — Sep 2014-June 2018
B.E., Information Technology — CGPA 4.0/4.0
Relevant Coursework*: Algorithms, Data Structures, Database Management Systems, Computer Networking, Big Data, Operating Systems, Object Oriented Programming using JAVA, Web Technologies, Artificial Intelligence*.

Technical Skills

Languages: Java, Python, C, C++
Web Technologies: JavaScript, Node JS, React JS, Angular, HTML5, CSS, XML, PHP
Tools, Frameworks: Django, Tableau, SAP Analytics Cloud, Anaconda, Docker, MVC, Java Spring, JDBC, Selenium
Databases: Mongo DB, Oracle DB, MySQL
Cloud Platforms: Google Cloud Platform, AWS, Azure
Additional Knowledge: SAP BW on HANA, S/4 HANA, SAP FICO, Salesforce, Machine Learning, DevOps

Professional Summary

Software Engineer, Accenture – Hyderabad, Telangana, India — October 2018-August 2021

- Actively worked on Design, Development and Code reviews to build Accenture's MyLearning and Award Portal Web applications using NodeJS, Angular and MySQL DB.
- Lead a team of five and developed an automated framework to generate business reports which are used to make informed decisions by analyzing data using SAP ABAP and BI skills for IKEA Client using Agile Methodology.
- Used SAP Analytics Cloud visualization tool to analyze Sales, Billing and Finance data present in Google cloud SQL service (GCP) to understand trends or patterns.
- **Best Performer Award** for serving as a single point of contact for several issues

Academic Projects

Face Detection and Recognition System — *Python, Dlib Face recognition, OpenCV, ReactJS, HTML5, CSS*

- Designed a scalable, robust face recognition module using python dlib face recognition library to detect authorized personnel in real time from image data captured from live cameras.
- Used OpenCV to perform preprocessing steps on the images to enhance the efficiency of the model.

Online Registration Application, IEEE MVSR SB — *HTML, PHP, MySQL, JavaScript, AJAX, AWS, CI/CD*

- Created a web application, which was used to register members for events conducted by the IEEE MVSR Student Branch.
- It provides an interface using which the coordinators can monitor real-time registration data and help track registrations for the annual technical fest conducted by us, which later fetched us Emerging Student Branch Award.

Chatbot for Music System, MVSREC — *Python, Pandas, Wit.ai, AWS EC2, Elastic Beanstalk*

- Built a smart music system backed by a language model capable of recognizing Play, Pause, Resume and Stop requests made by users over the Facebook Messenger platform. The music system can also extract audio data from YouTube.
- Deployed the code on an AWS Beanstalk instance to make fast deployments and testing easier.

Research Work

Discovery of Number of Clusters for an Unsupervised Learning - ISSN 2320-6608

- Performed research and published a paper which studies the behavior of K Means with respect to number and choice of initial clusters. K Means is a technique used to form clusters in a given dataset by iteratively checking which cluster center is closest to each data point and grouping them together.
- Additionally, we present extensions to K Means to identify the optimal number of clusters in a given dataset using Connectivity Test, which determines how densely packed a cluster is and thereby determines if the clusters formed are optimal.