Talluri Nagasai Venkata Sudheer

A Software Developer at JPMorgan Chase & Co looking for a challenging role where impact-oriented solution delivery is business as usual. With keen passion towards technology, redefined software development practices at Chase and became an integral part of the Analytics & Reporting team within no time whilst chasing fields of passion like Data science, AI/ML, NLP for more than 3 years. Belief in continuous learning as fuel, always aimed development to serve the organization and society eventually

in **LinkedIn**   📍 Hyderabad, India   📞 +91-7658979337   **@** **sudheertalluri31@gmail.com**

WORK EXPERIENCE

J.P. Morgan Chase & Co, Hyderabad – *SDE-II, Analytics & Reporting Team*

AUGUST 2020 - PRESENT

- **Roles & Responsibilities:**
  - o Leading development of automated solutions across BI platforms
  - o Provisioning and building infrastructure with Terraform and blueprints
  - o Designing modern solutions by breaking down complex architectures
  - o Plan, research and implement POCs for innovative use-cases across the product line
- **Technologies Involved:** Python, Django, Microservices, Terraform, Jenkins, cloud services, AI/ML, Cognos, Automation, Linux & Shell Scripting, Ansible, Control-M and other SDLC toolchain
- **Projects & description:**
  - o Data Center Migration – *Lead Developer*
    - ✓ Developed and deployed 50+ python based microservices to automate the migration of Cognos to new data centers
    - ✓ Provisioning of resources through Terraform Infrastructure as Code (IaC)
    - ✓ Lead the development and engineering effort for these two yearlong missions to progress
  - o ETL Trigger Automation – *Architect & Developer*
    - ✓ To help the business cut extra infrastructure cost and optimize human resources, designed, developed, and deployed a custom scheduler for Cognos reports from ETL servers using REST APIs in Python
  - o Cognos Self-service portal – *Technology Lead*
    - ✓ Design and develop cloud based self-service portal which on delivery to business will enable users to maintain their data, reports, and accounts on their own
    - ✓ Adding to the improved resource utilization by absorbing the redundant activities performed by SRE teams, the portal will also reduce the risk related to password management with enhanced user experience
  - o Automated action tracker – *ML Engineer*
    - ✓ A Machine Learning model to detect and extract the actions in a received mail through Natural Language Processing (NLP), built using random forest model which recorded 98% accuracy on the validation set
  - o Empowering Technology Talent – *Django Backend Developer*
    - ✓ A Django based platform developed for managers and employees to track and manage their skills and goals
    - ✓ Built REST APIs with Django Rest Framework to perform CRUD operations on databases

- **Achievements:**
  - Designed "Python for A&R" course and trained 30+ developers globally to bring more expertise on automation in the organization
  - Awarded top in Innovation category for SEP recognition scroll across Hyderabad
- **Initiatives:**
  - Owned and designed an organization level SEP data consolidation project
  - BI marketplace development
- **Hackathons:** PET, Flow Monster, Code for Good

INTERNSHIPS

Credit Suisse, Bengaluru - *Research Engineer (NLP), Reporting & Analytics Team*

MAY 2019 - JULY 2019

- Developed a Relevance Model as part of News Analysis project using Natural Language Processing techniques which quantifies the relationship between an entity and a document through direct and indirect relevance scoring.
- Compare the performance and efficacy of different NLP toolkits (NLTK, Spacy, AllenNLP)
- Got rewarded and appreciated for determined work attitude, efficient delivery, and timeliness

Conscript HR Advisors Pvt Ltd, WFH - *Web Scraping in Python*

APRIL 2020 - MAY 2020

- Built a collection of web scrapers that scrape jobs from various job portals namely Naukri, Shine, LinkedIn, Indeed, Monster and BNI, using various python web scraping libraries
- Automated mailing to recruiters via BNI portal using Python and Selenium

EDUCATION

Sardar Vallabhbhai National Institute of Technology, Surat (2016 - 2020)

Bachelors in Electronics and Communication Engineering major with Information Security and Data Science as electives with 8.97 CGPA

PROJECTS & SEMINARS

Novel & Customizable Chatbot Engine - *Team Lead & Key Architect*

A chatbot designed and developed as a part of academics, to support queries of students related to their department powered by an engine made up of different AI/ML, Deep Learning and automated components coded in Python which is scalable to work for any given college and department. A Flask powered GUI and ability to chat using Telegram were also developed and integrated to enhance and smoothen the user experience

Response Analysis – *BigData Engineer*

Java based BigData Hadoop MapReduce implementation which analyses the reviews, comments, and posts (BigData) to find the true intent (sentiment) of the response

Image Caption Generation – *Speaker*

Delivered a seminar on various state-of-the-art Deep Learning based image captioning techniques backed with intuitive understanding of CNN, RNN and LSTM.

Other Notable projects,

- Recommendation engines
- Sentiment Analysis of Tweets
- NodeJS-Snowflake connectivity
- Hurricane Damage Classification
- Extractive text summarization
- Various text and image classifiers

TECHNICAL SKILLS

- Python
- Django
- Core Java
- HTML, CSS & JavaScript
- Shell Scripting
- Data Science
- Machine Learning
- Deep Learning
- Natural Language Processing
- Cognos
- Web Scraping
- Relational Databases
- BigData Hadoop Basics
- CI/CD Fundamentals
- Terraform

OTHER ACHIEVEMENTS

- Selected to the Univ.AI Data Science Leadership Program with sponsorship for Master's in Data Science, which is offered only to top 3 scholars globally

MAJOR CERTIFICATIONS

- Full Stack Developer by GUVI (ongoing)
- Data Science Foundation by IABAC
- BigData Hadoop by IITB Alumni
- Deep Learning with Keras and Tensorflow
- Other certifications in LinkedIn

I hereby certify that all the information provided above is true to the best of my knowledge and belief

Signature