

Premika



Pujitha Luxury PG for Ladies,
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IT PROFESSIONAL

Seeking professional exposure across the Industry

Academic Qualification

Year	Course	Name of Board/University	%Age/ CGP
2012-15	B.Tech (CSE)	G.V.P College of Engineering, Visakhapatnam	77.02%
2012	Diploma	S.B.T.E.T	88.23%
2009	10th	S.S.C	78%

Profile:

Data Scientist with 2 years of industry experience. Worked in multiple areas that include Web Development, image processing, data collection and curation in Python. Also, worked on orchestration layer in Node.js.

Skill Set

Programming languages: Python, Basics of R, C, Basics of Node.js and JavaScript, Java

Cognitive Computing Application: Image Processing

Watson Bluemix Services: Natural Language Understanding, Watson Conversation, Tone Analyzer, Visual recognition, Watson Discovery Service, Watson Analytics, Cloudant.

Machine Learning: Basic algorithms with Python and R

Tool: SPSS Modeler, Jasmine Framework.

DBMS: SQL

Web Technologies: HTML, CSS

Software: Spyder, R Studio, Visual Studio, MS Office

PROJECTS EXECUTED

IBM INDIA PVT LTD, BANGALORE

since February' 2016

Data Scientist – Cognitive Computing

➤ Automobile Company's App Review

Technology Used – Python, Watson Services: Natural Language Understanding and Tone Analyzer, Watson Analytics.

Project Description: Competitive analysis for the App with the counter companies.

It included:

1. Sentiment Analysis
2. Tone Analysis

Contribution:

1. Used Watson Analytics to find insights in the App review.
2. Watson services: NLU and Tone analyzer to find sentiment analysis and tone analysis of reviews.
3. Calculated top 5 issues from the reviews.

Worked on Python to integrate Watson services and finding top issues.

➤ Credit Risk Rating for Bank

Technology Used – Python, Data Collection and Curation, Watson Services: Natural Language Understanding , Watson Discovery, Cloudant.

Project Description: The main objective of the assignment was to generate credit risk report for the companies of interest for the bank. For generating these credit reports structured data (stock, company filing) and unstructured data (news articles, annual reports) was gathered from varied sources such as Government websites, business journals, newspaper articles etc. The data was then ingested in Watson Discovery Service, enriched with entities and queried. The queried documents were finally used for NLP and classification using Watson NLU and the results were processed and stored to Cloudant Database via a flask app.

Contribution:

1. My significant contribution was in developing the data ingestion pipeline in which data was curated – identification of data sources, gathering and preparing data for further processing, enriching the data with extra information (using Watson Discovery service). This task was performed for all companies in interest.
2. I helped in developing a scheduler for data ingestion which will pull data (to be ingested) every 24 hours. This was done to use the current data in generating credit reports.

➤ IBM Assistant

Technology Used – Node.js, Jasmine, Swagger.

Project Description: In this project, we developed APIs which serve responses to the UI layer (for users). We created wrapper services around the existing systems (IBM Services:- expertise, crystal+, lighthouse) which help to extract the data from these systems for users.

Contribution:

1. Did unit testing for APIs using Jasmine by writing different test cases.
2. Created an API which takes ratings from users and updates the system.

3. Developed an application to save and display pinned URLs for the convenience of users.
4. Developed an application to sort the news list in chronological order.

➤ **Watch-U-Seek**

Technology Used – Python, Watson Service:- Visual Recognition, HTML, CSS.

Project Description: This is an app that recognizes the following features of a watch from an uploaded image:

1. Brand Name
2. Dial - Color and Shape
3. Strap - Material and Color
4. User Personality

Contribution:

Developed a module using Python for determining the material of the strap of the watch. The methods used were:

1. Linear Binary Pattern
2. Watson Visual Recognition

Developed an WebApp using HTML and CSS.

➤ **MetroPulse**

Technology Used – Python, Data Collection and Curation.

Project Description: This project comprised of collection and curation of data from multiple sources for the purpose of developing a platform for hyper-local analytics. The data was collected from open data sources (including census) of 50 US cities.

Contribution:

1. Content Collection - crawling and scraping
2. Content Curation - cleaning and formatting
3. Content Standardization - dictionary creation
4. Documentation - metadata creation

This was done by writing Python code, using several packages such as BeautifulSoup, Selenium.

➤ **Data Insights**

Tool Used – SPSS Modeler

Data of different US cities was provided to find the insights. Calculated the top most issues using SPSS Modeler.

Achievements and Extra Activities

- Completed Cisco Certified Network Associate (C.C.N.A) Course.
- Participated in “Network Security” workshop conducted by IEEE at GITAM University, Visakhapatnam.
- Active Member in College Cultural Club.
- Selected in RHYTHM Dance Competition held by IBM.
- Got 1st prize in Dance Competition held by College.
- Class Representative in Diploma.
- Got 3rd Position in Singing at Mandal level.

Personal Info, Hobbies and Interests

Date of Birth - May 22nd '1994
Nationality - Indian
Languages Known - Telugu, English & Hindi
Hobbies - Travelling, Singing, Dancing

DECLARATION

I hereby declare that the information furnished above is true to the best of my knowledge.

Premika.