

Bharathi Cherukuri

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Professional Summary:

- 6+ years of experience in Software Development & project implementation out of which 2 years of experience as a Data Engineer which includes predictive modeling, and data processing.
- Working experience and extensive knowledge in Python, R, and Tableau.
- Expertise in packages like Numpy, Pandas, Matplotlib, Seaborn, Scikit, etc. to perform data analysis tasks.
- Experience in performing exploratory data analysis – data extraction, data mining, data training, and modeling using Python and R
- Presenting the analysis with valid visualizations to the stakeholders using visualization tools like Tableau.
- To understand business use cases and requirements from clients and convert them into a well-articulated problem statement and explain them to the project teams
- Analyze unstructured data, assessing quality, cleansing, structuring for management review, and designing accurate and scalable prediction algorithms
- To identify relevant data sets required to develop predictive models for solving internal and external business problems
- Translate product requirements into analytical requirements, design and develop the required functionality
- Experienced in developing supervised Machine learning models like regression models, classification models like logistic regression, decision trees, and random forest
- Constantly strive to learn and apply new skills and adapt to and accept new responsibilities and challenges.
- Played a key role in the team and been a major team player.

Key Skills:

Programming Languages	: Python, R, PySpark
Data Science	: Data Analysis, Data Visualization, Machine Learning, Deep Knowledge in Statistics
Libraries	: Numpy, Matplotlib, Pandas, Tidyverse
Databases	: SQL
Tools	: Tableau, Matlab, Jupiter notebook, Anaconda-Spider, VS code
Cloud	: Microsoft Azure
GitHub Link	: https://github.com/cherukuribh

Work Experience:

Company: **DXC Technology** – Hyderabad, India

Role: **Software Engineer** – Oct 2016 to Aug 2018

Technologies: Data Science, Python

Project 1: Credit and Loan eligibility score

In this project, we built a model for analyzing the credit score and loan eligibility of the customers based on the previous transaction and KYC information with cognitive computing technologies with cross-validation set and regression tools while filling the online application. (Python, classification, and regression model).

Project 2: Customer Data Fetching and Processing

In this project, we created frameworks to quickly scrape, store and continually maintain the current tracking status of customer information. Developing programs in Python to scrape unstructured data from multiple sources (Web, email, Excel spreadsheets, text files) categorizing and transforming them into more structured

formats and storing them in SQL databases. Developing and continuously maintaining Flask applications to display and query data scraped using Python. Developing the backend (in python) for data processing applications. Developing python programs to post scraped information to an internal database via REST API.

Company: **DXC Technology** - Hyderabad, India

Role: **Software Engineer** – July 2014 to Sep 2016

Technologies: Mainframe

Roles and Responsibilities:

- Managing all facets of the project life cycle - design, development, testing, and deployment.
- Modifying the code in the existing modules and writing new components as per the requirements.
- Support for System Integration testing and UAT Testing, pre and post Implementation tasks.
- Ensure the technical specifications, and set deadlines.
- Completing the deliverables ahead of time with minimal defects.

Company: **Syntel Limited** – Chennai, India

Role: **Analyst Programmer** – Oct 2011 to June 2014

Technologies: Mainframe, Pacbase

Roles and Responsibilities:

- Involves preparing the estimate and timelines based upon the analysis for the new requirements which includes the functionality changes, and correction of existing processes
- Preparation of high-level and low-level documents for the code change
- Regular interaction with customer for discussing project issues and scope changes.
- Involves creating elements and segments along with coding in pacbase.
- Preparation of Unit test cases and implemented the unit test results
- Creating CMRs and RFCs and implementing the changes to production code

Academic Projects:

Project Title: Analyzing Customer Behavior and Sales Trend based on the Time Stamp

This project is about Time Series Analysis on a real-time sales data which was collected from an organic store named PRAKRUTHIVANAM based in Hyderabad, India. With this analysis, we predict future sales based on the previous sales data. For retailers to understand the various aspects of the business plan, the findings could be very helpful. They can use these conclusions to make wise decisions and advance their business.

Education:

Master's in Data Science from Coventry University –Coventry, United Kingdom.

Bachelor of Technology (Btech) in Electronics and Communication Engineering.

Certifications

- Completed Azure Data Scientist Associate Certification (DP-100).
- Completed Python 101 for Data Science Certification – Cognitive class.
- Completed Data Analysis Using Python Certification – Cognitive class.
- Completed Python Essential Training and Python for Non-Programmers courses- LinkedIn.
- DB2 9 Family Fundamentals Certification – 730(Database Associate).
- Certified from IBM for Entry Level Training on Mainframes.
- Completed Oracle Certified Associate certification.