

Anjali Krishna Vengayil

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No Sponsorship Required

Information systems professional with 2 years of experience in Software engineering skilled in data analytics and visualization using Python, Tableau, MySQL, HTML/CSS, JavaScript. Able to leverage a heavy dose of mathematics and applied statistics with visualization and a healthy sense of exploration.

EDUCATION

The University of Texas at Austin, Austin, Texas

Jan 2018 – July 2018

Data Analytics & Visualization Bootcamp

An intensive 24-week long boot camp dedicated to Data Mining Methods and Techniques, Data Preparation for Data Mining and Advanced Methods and Applications

Cochin University of Science & Technology, Kochi, India

July 2010 – April 2014

Bachelor of Technology

Electronics & Communications Engineering

Core Competencies

- Strategic Thinking: Design and implement statistical / predictive models and cutting-edge algorithms utilizing diverse sources of data to predict demand, risk and price elasticity.
- Analytics: Utilize analytical applications to identify trends and relationships between different pieces of data, draw appropriate conclusions and translate analytical findings into risk management and marketing strategies that drive value.
- Excellent communication skills and a passionate learner.

Skills and Tools

- Python, R, MySQL, MongoDB, NoSQL, C++, Java, Hadoop, HTML5, CSS3, JavaScript, D3.js
- Microsoft Excel (including VBA, Pivot Tables and VLOOKUP), PowerPoint.
- Python libraries like Matplotlib, NumPy, pandas, SciPy and REST based API's (json)
- IDE's like Jupyter Notebook, Terminal, Visual Studio Code, Visual Basic.
- Data Visualization tool, Tableau.
- Machine Learning and Deep Learning using OpenCV, TensorFlow, Keras, Scikit-Learn.

Projects/ Applications Built

- Built a Machine Learning application where real-time sign language hand gesture is captured from a live video and the alphabet is predicted using the Python's image processing library, OpenCV and deep learning libraries like TensorFlow, Keras along with the machine learning algorithm Convolutional Neural networks (CNN).
- Aggregated the data found in the Citi Bike Trip History Logs to build a data dashboard, story, or report using Tableau.
- Built a web application that scrapes various websites for data related to Mars using

Beautiful Soup, Pandas, Splinter and displayed the information in a single HTML page using MongoDB with Flask templating.

- Created a Python script to visualize the weather of 500+ cities across the world of varying distance from the equator utilizing the OpenWeatherMap API and illustrated the results as scatter plot.
- Created a python script to perform a sentiment analysis of the Twitter activity of various news outlets and build a twitter bot that sends out visualized sentiment analysis of a Twitter accounts recent tweets.
- Using the python library matplotlib, built a bubble plot to offer data-backed guidance on new opportunities for market differentiation to a fledgling ride sharing company.
- Created a VBA script to analyze real stock market data.
- Organized and analyzed the data of four thousand past Kickstarter Projects and uncovered hidden trends using advanced excel formulas and techniques.

Experience

Infosys Technologies Limited, Bangalore, India

Jan 2015 – Aug 2016

Test Analyst

Collaborated with technical and non-technical professionals to drive timely completion of complex projects and assignments.

- Performed Smoke, Functional, Regression, Black Box, Integration, end-to-end, GUI, & Acceptance Testing.
- Analyzed functional requirements from Business Analyst, developed and executed test cases and test suites.
- Worked on Agile Methodologies with good knowledge on different SDLC methodologies.
- Participated in standup meetings, reviews and walkthroughs with Onsite co-ordinates and project members.
- Utilized Test Management and Defect Tracking tool HP Quality Centre/ALM.
- Performed root cause analysis and implemented defect prevention strategies.

Internship

Systems Engineer Intern

Infosys Technologies Limited, Mysore, India

Sept 2014 – Jan 2015

Selected for a 3-month internship out of more than 200 applicants.

- Handled database and Web site programming tasks (primarily using Java, C, C++, .NET, DBMS).