**Professional Summary:**

* Full stack python developer with excellent statistical analysis and machine learning skills.
* Thorough understanding and exposure on Software Development Lifecycle (SDLC).
* Worked on Agile and Waterfall methodologies.
* Skilled on Python collections and multi-threading.
* Expert knowledge and hands-on experience in data preprocessing, data cleansing and statistical analysis using Python and R.
* Hands-on experience with machine learning algorithms like Linear Regression, Polynomial Regression, Logistic Regression, K Nearest Neighbors in R and Python.
* Experienced in developing web applications using Python, HTML, CSS using flask and Django frameworks.
* Expert in using Amazon Web Services that include Amazon cloud9, Amazon EC2, and Amazon S3.
* Good experience in writing complex queries and stored procedures and implementation on MySQL database.
* Executed python scripts using Linux and Windows commands.
* Expertise in understanding complex codes, extending their functionality.
* Hands on experience in debugging and fixing the bugs, support, and maintenance of the project.
* Hands on experience in writing and reviewing requirements, architecture documents, test plans, design documents, quality analysis, and audits.
* Experienced in using Visio enterprise to design ERD, data flow diagrams, activity diagrams, sequence diagrams and use-case diagrams.
* Strong analytical and communication skills and capable of learning new technologies, swiftly.
* Experienced in training and conducting webinars sessions.
* Excellent project management and organizational skills.

**Professional Experience:**

**Graduate Research Assistant, Central Michigan University (Aug 2016 – Dec 2017), Mount Pleasant, Michigan**

**Project:** Research on Entrepreneurship Ecosystem

**Environment:** Anaconda Navigator, Tableau 10.4, MySQL

* Worked on data cleansing process using regular expressions in Python.
* Built queries in MySQL to fetch data required to perform data analysis.
* Utilized pandas and pymysql packages to import data from .csv files and MySQL.
* Used preprocessing, cross-validation, NumPy and sci-kit learn packages to import, create training and test data and fit the model on training data to predict outputs for test data.
* Developed inferential and basic statistical models and plotted graphs to visualize the statistical models using matplotlib.pyplot package.
* Developed dashboards in Tableau 10.4 desktop.

**Programmer Analyst, Cognizant Technology Solutions (Jan 2014 – Jul 2016), Bangalore, India**

**Client:** Boots Pvt. Lt.

**Environment:** Python 3, Linux, MySQL, GitHub

* Extensively used OOPs concepts in overall design and development of the system.
* Prepared and analyzed reports using python libraries and involved in environment setup.
* Created the environment specific settings for a new deployment and updated the deployment-specific conditional checks in the code base to use specific checks.
* Debugged the applications, monitored on JIRA using Agile methodology.
* Presented demos to clients and reported daily and weekly status to the project manager.
* Used Python scripts to update the content in a database and manipulate files.
* Worked in MySQL database to build queries and writing stored procedures for normalization.
* Developed a significant part of the application in Linux environment and executed Python scripts using Linux commands.
* Created Git repository and added the project to GitHub.
* Reviewed and approved sign-offs of change requests prior to delivery.
* Worked closely with the client to establish problem specifications.
* Trained a group of 5 entry-level candidates on Python 3.

**Data Analyst, Non-Governmental Organization – BOSCO (Jan 2013 – Dec 2013), Bangalore, India**

**Environment:** MS Excel, SQL

* Worked extensively using SQL database and built complex queries for retrieving and storing data.
* Applied inferential statistics using MS Excel.
* Built graphs, pivot tables, and reports to produce reports on different target groups of BOSCO.

**Education:**

**Master of Science in Information Technology (Dec 2017)**

Central Michigan University, Mount Pleasant, MI

**Bachelor of Technology in Electronics and Communication Engineering (May 2013)**

D V R College of Engineering and Technology, Hyderabad, India

**Academic Summary:**

* Designed ERD, data flow diagrams, activity diagrams, sequence diagrams and use-case diagrams using Visio Enterprise.
* Learned and built customized websites using HTML 5.0 and CSS3 to the highest specifications and worked with Python for data cleansing and analyzing data using algorithms.

**Academic Projects:**

**Capstone Project: Online ordering web application for Wildflour Pastry shop**

**Environment:** Python3, Flask, MySQL, HTML, CSS Amazon EC2, Amazon Cloud9, Linux OS

* Created a webpage using HTML 5.0 and CSS 3.
* Defined functions in python to route to the web pages.
* Built database schema, views and stored procedures in MySQL.
* Used python scripts to update the database with orders and order details for the pastry shop.
* Used Linux environment to run the application.

**Books Store Desktop Application**

**Environment:** Python 3.6, sqlite3, Tkinter

* Created a frontend GUI of the application using Tkinter module in Python.
* Completed backend part of the application by creating a database file using sqlite3 module in a python script and defined functions to perform CRUD operations.
* Integrated both frontend and backend parts of the application and applied OOPs concepts in python scripts.

**Data Analytics - Climate Change data**

**Environment:** MS Excel, Anaconda Navigator, R

* Used data from En-roads simulation tool to calculate futuristic values of renewable and non-renewable resources for the 22nd century using forecasting technique, decision analysis, linear regression and sensitivity analysis in MS Excel.
* Used regression algorithms in python and R to validate the data analysis in MS Excel.
* Applied machine learning algorithms that include K Nearest Neighbors, Logistic Regression, Linear Regression to find out data patterns.

**Data analytics on Movie metadata**

**Environment:** Python 3.6, IPython, MySQL, Windows

* Read data from flat-files and MySQL using Python.
* Performed computations and customized output files in required formats.
* Used Python packages such as NumPy, collections, pandas, itertools, and sci-kit learn to fit data models.
* Worked on Python data structures including dictionaries, arrays, and list for computing the movie rating based on the factors associated with the dataset.

**Technical Skills:**

**Operating Systems:** Linux, Windows7/8/10 and Mac OS

**Databases:** MySQL

**Frameworks and IDE:** Flask, Django, PyCharm, Anaconda Navigator

**Libraries:** NumPy, Pandas, sci-kit, preprocessing, cross-validation, matplotlib.pyplot, flask, pymysql, sqlite3, Tkinter

**Programming and Scripting Languages:** Java, VB.net, HTML, CSS, Python, R, Shell Scripting

**Tools:** SAP ERP, Tableau, MS Excel, MS Word, MS PowerPoint

**Cloud Services:** AWS Cloud9 server

**Additional Activities and Achievements:**

* Awarded lifetime member of International Honor Society, Beta Gamma Sigma for outstanding scholastic performance among 500 students in College of Business Administration department of Central Michigan University.
* Worked as a Vice President of Indian Students Association in Central Michigan University.
* Placed in 6th position out of 20 teams, in ERP SIM competition held at Central Michigan University.
* Badminton champion in the sports events conducted at Central Michigan University.

**Certifications:**

* Data mining with Python: <https://www.udemy.com/certificate/UC-FQPAU0R7/>
* Bash Shell Scripting: <https://www.udemy.com/certificate/UC-3SS05IZ3/>
* AWS Certified Developer – Associate: <https://www.certmetrics.com/amazon/public/transcript.aspx?transcript=H928DGW22BQEQN3V>