



EDUCATION

University of Houston

August 2021 – May 2023

Master of Science in Engineering Data Science

Sri Krishna College of Engineering & Technology

August 2011 – May 2015

Bachelor of Engineering in Computer Science & Engineering

SKILLS

Languages: Python, C, C++, Java, MATLAB, R, HTML, CSS, JavaScript

Machine Learning Libraries: Numpy, Scikit-learn, Pandas, Pytorch, OpenCV, Scipy, Matplotlib, PyWebIO, Keras, Tensor flow, CNTK

Web Scrapping Libraries: BeautifulSoup, Scrapy, Selenium.

Frameworks & Tool: Django Rest, Apache Spark, Hadoop, Map Reduce, AngularJS, Spring Boot, Git & Github

Databases: MySQL, PL/SQL, NoSQL, MongoDB

Cloud Services: AWS – EC2, IAM, S3, Auto-Scaling

Data Viz tool: PowerBI, Tableau, d3.js, Plotly-Dash

PROFESSIONAL EXPERIENCE

HCL Technologies – Senior Data Analyst

Nov 2020 – Jun 2021

- Individually developed **helper functions** and **libraries** to **automate** the dashboard creation for weekly/monthly report files.
- Worked with large datasets, performed **complex data analysis**, methodologies, and predictive data models for assessing outcomes.
- Provided **technical assistance** and built understanding among partners about the effective use of data.
- Built Web-based platform using python Django framework for data analysis and prediction that cut down the resource working hours by 15%.

WhiteHat Jr – Data Science & Game Development Curriculum Designer & Instructor

Jun 2020 - Jul 2021

- **Developed** curriculum for Game development course (Grade 8- 12)
- **Developed** curriculum for Machine Learning course (Grade 10-12)
- Among Top 10% instructors with **4.8 rating**.
- Initiated the knowledge transition plan (KT) - Conducted regular trainings for instructors on the platform.

Accenture Services Pvt Ltd – Associate Software Engineer – Data Analyst

Aug 2015 – Jul 2016

- Created new & closed old stores - As a team of 3, visualized the data, **built strategies** for introducing new outlets that increased the client's profit (**1.75% ↑**). Wore down the pre-existing outlets by calculating various parameters and considering the important features.
- Maintained the Supply Chain - Prepared dashboard, reports and analyzed the success rate and **imparted new structures** that increased the success rate (no. of customers per day). Built new solutions to resolve the accidental mishaps that might occurred on-road and scheduled, prompted, monitored the departure/arrival time records.
- **Implemented** Holiday plans - Scheduled and planned **management of outlets** and supply chains for specific days and areas

PROJECTS

Bus Management System: Created web application using PHP, JavaScript, HTML & CSS, which was later used in the College transport department

Healthy Diet Recommendation System: Created an application in Java under the domain of web data mining. It gives customized healthy diet recommendations to the registered individual using web data mining techniques

Music Recommender Application: Created a **recommendation** application in Python 3.6(pandas, Scikit Learn-ML library)

Rock -Paper-Scissors: Created **AI** application using Python(TensorFlow & OpenCV).

Credit Card Fraud Detection : Anomaly Detection - python **ML** project with (accuracy score of about 95%).

Airport Data Analysis, Covid Analysis ,IPL Cricket EDA : Created a **Tableau** Dashboards.

Resume Parser : **NLP** project - A resume parser with custom NER training with SpaCy

Gym tracker : **AI** app that detects the pose & counts the reps. Written in python, used MediaPipe and OpenCV to render results

Stock Price Prediction : Time series Forecasting using XGBoost

Network Intrusion Detection : Built ML model to create a forecasting system to detect anomaly in the network.

ACHIEVEMENTS AND ACTIVITIES

- Vice president of SKCET DSA(data structures & algo) club 2014-2015
- 3rd price Accenture Innovation Challenge 2016