

SATYA SAMEERA DEVU

satyasameerad@gmail.com
(805) 904 5905

725 Howe Avenue
Sacramento, CA

EDUCATION

Master's in Computer Science,
California State University, Sacramento, California

Aug 2018 – May 2021

Bachelor's in Computer Science,
Andhra University college of Engineering, Vishakhapatnam, India

Sept 2014 - June 2018

TECHNICAL SKILLS

Languages : Java, JavaScript, HTML, Python, MATLAB, Octave CSS, C, C++, PHP.
Databases : SQL, PL/SQL.
Operating Systems : Linux, Windows, Mac OS.

PROFESSIONAL EXPERIENCE

Intern – Software Engineering

June 2020 – Dec 2020

California Department of Transportation (CALTRANS)

- Cleaned, formatted, combined and filtered millions of lines of data and presented the information to the supervisors.
- Created dashboards on Tableau.
- Used SQL, Tableau, Excel (Advanced Skills).

Teaching and Lab Assistant -Data Analytics

Aug 2019 - May 2020

California State University, Sacramento

- Assisted faculty in doing projects related to data analytics, grading student work and examinations.
- Assisted with proctoring tests and conducting discussions related to large lectures.
- Used Python, SQL, Tableau, advanced Microsoft Excel features.

Internship - Database Management Web Technologies

Jul 2017 - Jul 2017

Symbiosys Techonologies

- Part of a scrum team in designing and creating a web application for crude operations.
- Followed Scrum project development techniques.
- Used JavaScript, SQL.

ACADEMIC PROJECTS

- **Secure data sharing on cloud storage platforms (GCP)** – (Master's project in progress) Building a client-server application and implementing a framework for secure data sharing and storage in cloud. Implementing Fully Homomorphic Encryption (FHE) algorithm to allow cloud service providers to perform computations on encrypted data. Encrypting the uploading file first with Advanced Encryption Standard (AES) and again with FHE.
- **Image Captioning using Deep Learning** – Using Convolutional Neural Network (CNN) with Recurrent Neural Network (RNN) in Long Short-Term Memory (LSTM) to generate captions on supervised data. Used BLEU and METEOR to evaluate the quality of the captions generated.
- **Web scraping with python and analyzing the scraped data using cluster and regression analysis** – Scraping is performed on SEC 10-K annual reports for the S&P 500, counting the uncertainty words. Implementing clustering (K-Means) on the companies of S&P 500 based on uncertainty words, and performing the regression using stock price.
- **Identifying anomalies in company sales and identifying possible frauds using Tableau** – Performed analysis on sales to identify unusual trends in daily sales on specific days. Also, Identifying sales fluctuations with temperature and snow accumulation. Used real-time data for creating the worksheets.
- **Polarity of twitter tweets – Sentiment analysis** – Performed sentiment analysis on a selected keyword and checked the polarity of tweets (positive/negative/neutral).
- **Analyzing software metrics in Assertj-core** – Gathering the Software Metrics for Assertj-core and analyzing them using SonarQube. Analyzing software metrics for all 33 major and minor releases.