

# Biswanth Chevula

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## WORK EXPERIENCE

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### Data Anlaysis Intern - APSSDC

Jun 2023 - Aug 2023

- Applied advanced statistical methods and tools to analyze large datasets of over 1 million records, identifying key trends and patterns that significantly informed critical strategic business decisions.
- Developed and established robust data collection and management systems, reducing data entry errors by 500 instances and cutting data processing time by 10 hours weekly across multiple departments.

## PROJECTS

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### Traffic Control Using BigData

- Worked on a project that analyzed traffic data from Kaggle, consisting of 48,120 observations across four junctions. Used Python libraries for preprocessing, visualization, and advanced statistical analysis.
- For effective querying and processing, scalable data storage was implemented using **HDFS & HIVE**. Improved traffic management systems by producing actionable insights that might be put into practice.

### HR - EDA

- Analyzed 1,000+ employee records using EDA to uncover critical trends in employment status and job performance. Visualized insights with heatmaps, enhancing HR decision-making by 20%.
- Built **machine learning models for attrition prediction**, achieving 90% accuracy and 0.92 AUC. Implemented SVM, Random Forest, Decision Tree, Logistic Regression, and Gaussian Naive Bayes.

### Country Data Visualization Using Bokeh

- Utilized Bokeh, a Python library for interactive visualization, to analyze a dataset of 167 rows. Generated bar graphs and scatter plots to explore insights on income, exports, imports, child mortality, and GDP.
- Applied **Principal Component Analysis(PCA)** to reduce the dataset's dimensionality by 50% while preserving 95% of essential information. This enabled efficient visualization and modeling of relationships.

### PrimeFlix - OTT Application

[Live Demo](#)

- Developed a responsive **web application** called "PrimeFlix," a video library management system designed to showcase movies, TV shows, and series, featuring user-friendly navigation and search.
- The system offers users an intuitive interface for browsing content, featuring 6 tabs in the navigation bar, filters, a search bar to find titles easily, and personalized recommendations based on user preferences.

## EDUCATION

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- 2021 - 2025 BTech CSE (Specialized in **Big Data Analytics**) at SRM University AP(GPA: 7.69/10)
- 2019 - 2021 Class 12th (SSC board) at **Bhashyam Junior College** (77 %)

## CERTIFICATIONS

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- Certificate of Completion: **Data Analysis & Visualisation** Job simulation at Accenture by Forage.
- Certificate of Completion: Successfully completed the **Power BI** for Beginners course by Simplilearn.

## SKILLS

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- **Programming Languages:** C, C++, Python and SQL.
- **Big Data Analytics:** Hadoop, Hive, Pandas, Numpy, Matplotlib, Seaborn and Scikit-learn.