

## Anees Saheba Guddi

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### EDUCATION

#### San José State University

January 2025 - December 2027

Master's in Applied Data Intelligence

San Jose, California

#### AMC Engineering College | VTU

August 2019 - June 2023

B.E. Information Science and Engineering

Bangalore, India

### PROFESSIONAL EXPERIENCE

#### Hewlett Packard (HP)

July 2023 - August 2024

##### Data Analyst

Bangalore, India

- Analyzed large datasets from print operations, including performance metrics and usage patterns, to improve data processing efficiency by 20% through advanced SQL queries and Python automation.
- Developed and tracked KPIs for operational metrics such as print volume, error rates, and maintenance requirements, creating dashboards with Power BI to enhance strategic decision-making and operational efficiency.

#### Verzeo

September 2022 – December 2022

Verzeo is an EdTech company specializing in providing online training on emerging technologies on a subscription basis, with over 500 employees.

##### ML Engineer Intern

- Applied Logistic Regression, Decision Trees, and Gradient Boosting, to build models that forecast customer churn for a subscription-based service, by engineering features from customer behavior and transaction history.
- Conducted data preprocessing steps such as handling missing values, normalization, and outlier detection to prepare data for model training.
- Evaluated model performance using metrics like AUC-ROC and precision-recall, and implemented hyper parameter tuning with GridSearchCV for optimal results.

#### Pheuna Technology

May 2022 - August 2022

Pheuna Technologies is a software development company specializing in web designing, web development, and app development to complex web applications like CRM and e-commerce solutions with around 100 employees.

##### Software Engineer Intern

- Contributed to the development of the 'Eventers' app, designed to streamline event organization by connecting users to a variety of vendors in India.
- Collaborated with cross-functional teams, ensuring seamless integration of design elements and backend services using frameworks such as Ionic, Flask and SQLAlchemy.

### PROJECTS

#### Stock Market ETL and Data Warehousing: Scalable Architecture for Financial Data Analytics

##### San Jose State University – Applied Data Science Department

- Engineered a containerized ETL pipeline using Apache Kafka for real-time stock ticker streaming and Apache Airflow for batch news ingestion and workflow orchestration.
- Designed a dimensional data warehouse in TimescaleDB (PostgreSQL), implementing a star schema with OLAP-ready fact/dimension tables for high-performance financial analytics.
- Applied NLP for sentiment analysis and keyword extraction on financial news, enriching structured warehouse records.
- Automated real-time and batch workflows with Dockerized microservices, optimized data ingestion, and enabled interactive visualizations via Plotly Dash.

#### 4DX-Movie-Technology-Using-ML

- Developed a detection model with 90% accuracy to automatically identify dynamic events such as rain, wind, and lightning in movies using time-series data.
- Leveraged the TensorFlow library to build and train a CNN-based model optimized for detecting complex audiovisual patterns associated with 4DX effects.

#### Spotify Data Analysis using Python

- Conducted exploratory data analysis and created insightful data visualizations using Python libraries such as Pandas, Seaborn, and Matplotlib.
- Applied sentiment analysis on song lyrics using NLP techniques to explore how lyrical content impacts streaming trends.

#### Face-Mask-Detector-Using-ML

- Developed a real-time face mask detection model with 85% accuracy, using live video streams for mask/no-mask classification.
- Implemented MobileNetV2 architecture for computational efficiency and real-time inference on edge devices.

#### Credit-Card-Fraud-Detection-Using-ML

- Predicted fraudulent transactions in credit card datasets using machine learning algorithms such as Local Outlier Factor and Random Forest.
- Applied PCA for dimensionality reduction, optimizing feature selection and improving model performance.

### SKILLS

- Programming & Data Science:** Python, SQL, HTML, React.js, Pandas, Matplotlib, Seaborn, NumPy, Scikit-learn, OpenCV, PyTorch, TensorFlow, Jupyter Notebook, Apache Kafka, Apache Airflow, TimescaleDB, Dimensional Modeling, NLP
- Tools & Platforms:** Power BI, Advanced Excel, MS Office, Network Troubleshooting.