# Sandeep Kumar Midde

Machine Learning Engineer

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## Summary

## Dedicated Computer Science student with hands-on experience in Machine Learning and Data Analytics. Proficient in Python, TensorFlow, and Power BI, with a track record of improving model accuracy and driving data-driven decisions. Seeking an internship or entry-level role in Machine Learning or Data Science to leverage my technical skills and contribute to innovative projects.

## Education

**SSC :**

APR School, Appalarajugudem, Andhra Pradesh, 534456

Jan 2015 to March 2019, GPA: 88%

**Intermediate** (MPC):

Chaitanya Bharat Junior College, Visannapeta, Andhra Pradesh, 521215

April 2019 to Augst 2021, GPA: 91%

**Graduation** (Bachelor of Technology in Computer Science):

Bharat institute of engineering and technology (JNTUH), Ibrahimpatnam,Telangana

Nov 2021 to Jun 2025, GPA: 79%

## Technical Skills

* **Programming Languages:** Python, R, Java, C, C++, SQL, PSQL
* **Machine Learning:** TensorFlow, Pandas, NumPy, Scikit-learn, Matplotlib, Seaborn
* **Data Analytics:** Power BI, R (ggplot2, dplyr), Matplotlib, Seaborn
* **Web Development:** HTML, CSS, JavaScript
* **Cloud Computing:** AWS, **Version Control:** Git

## Certifications

* Python (IBM)
* Machine Learning (IBM)
* Java (Oracle)
* Data Analytics(Forage)

## Projects

**Blinkit Groceries Analytics Dashboard (Power BI):** Developed an interactive Power BI dashboard to optimize Blinkit's inventory management. Utilized DAX, Power Query, and custom visualizations to track KPIs and identify trends, resulting in a 14% inventory improvement.

**Machine Learning Model Development (Python):** Built and optimized ML models (Random Forest, SVM, KNN) using Python (Scikit-learn) for thyroid disease prediction. Employed hyperparameter tuning, cross-validation, and feature engineering to achieve optimal performance metrics (accuracy, precision, recall, F1-score).

**ML Model Performance Visualization:**

Created interactive visualizations (ggplot2, Shiny) to analyse and communicate ML model performance. Developed custom plots (ROC curves, confusion matrices) to gain insights and built a Shiny dashboard for real-time model comparison:

**Data Analyst Job Simulation (Forage):** Applied data analysis techniques to solve business problems using Power BI. Demonstrated proficiency in data cleaning, visualization, and report generation.

**Cloud Architecture Simulation (Forage):** Gained hands-on experience in designing scalable cloud solutions through a simulation. Demonstrated understanding of cloud architecture principles and best practices.

## Experience

**Data Analytics and Machine Learning Projects**: Leveraged Python (NumPy, Pandas) for data preprocessing, EDA, and ML model development (Scikit-learn). Built interactive dashboards (Power BI) to visualize insights and drive business decisions. Successfully analyzed 10+ real-world datasets, improving data visibility, operational efficiency by 20% and improved inventory management

**Web Development Projects**: Engineered a comprehensive suite of responsive web applications, resulting more unique visitors; leveraged HTML, CSS, and JavaScript to drive improved user experience.

## Soft Skills

* Analytical problem solving
* Adaptability and Fast learner
* Self-motivated
* Versatility
* Effective communication
* Collaborative teamwork

## Interests

* Cosmology
* Data-Driven Innovation
* Science Fiction
* Emerging Technologies