# 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

**Thyroid Recurrence Prediction App (Streamlit)**:  
Developed a **web-based application** using **Streamlit** to predict thyroid disease recurrence. Integrated **Random Forest**, **SVM**, and **KNN** machine learning models, optimized through **hyperparameter tuning** for enhanced accuracy. The app processes user inputs to provide **real-time predictions**, supporting the assessment of recurrence risk. Deployed via a user-friendly web interface, making it accessible to both healthcare professionals and patients.

**Movie Recommendation System (Flask)**:  
Designed and developed a **movie recommendation system** using **Flask** and **Machine Learning**. Utilized **content-based filtering** to recommend movies based on features such as **genres**, **cast**, and **keywords**. Implemented data preprocessing with **Pandas** and **NumPy** for efficiency. Deployed the system via a user-friendly web interface for real-time recommendations.

## Experience

### Machine Learning Engineer (Freelance)

**Thyroid Recurrence Prediction App** | Remote | Jan 2024 – Present

* Developed a **Streamlit** app to predict thyroid disease recurrence using **Random Forest**, **SVM**, and **KNN** models.
* Optimized model accuracy through **hyperparameter tuning** and delivered **real-time predictions** for healthcare professionals.

### Data Scientist (Freelance)

**Movie Recommendation System** | Remote | Oct 2023 – Dec 2023

* Created a **Flask**-based movie recommendation system using **content-based filtering** based on **genres** and **cast**.
* Utilized **Pandas** and **NumPy** for data preprocessing and built a user-friendly web interface for real-time suggestions.

## Soft Skills

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

## Interests

* Cosmos
* Science Fiction
* Emerging Technologies