# SHEETAL CHAUDHARY

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# CAREER OBJECTIVE

# Aspiring Data Scientist with a strong foundation in machine learning, and big data analytics, seeking to leverage my technical expertise and problem-solving skills to drive impactful, data-driven decisions in a growth-oriented organization.

# EXPERIENCE

## Reliance Industries Ltd. || Data Analyst Oct 2023 - Present

* + **Big Data & Automation**: Used PySpark and Python to process and manage massive datasets of 50TB or more, resulting in a 25% boost in processing efficiency by automating repetitive processes.
  + **Machine Learning**: Using scikit-learn, I created predictive models that increased forecasting accuracy for important business indicators.
  + **Data Visualization**: Developed interactive dashboards with Power BI and Django, offering real-time insights to business, reducing decision-making cycles by 40%.
  + **Scripting and automation**: Automated routine processes using shell scripting and Linux command-line scripting, lowering manual involvement by 50% and minimizing human error.
  + Collaborated cross-functionally with the Data Engineering team to design and implement robust, scalable data pipelines tailored to dynamic business requirements, ensuring efficient data flow and improved decision-making capabilities.

## Vivusoft Technologies || Web Development Intern Sep 2021 – Mar 2022

* + **Web Development:** Built the company’s website using HTML, CSS, JavaScript, and SQL, improving page speed by 30%, enhancing user experience and SEO performance.
  + **Email Automation:** Automated client outreach using Zoho Marketing Hub, saving 2-3 hours of manual work per campaign.
  + **Client Collaboration:** Coordinated with foreign clients for product demonstrations, effectively translating technical features into client-focused solutions.

# SKILLS AND STRENGTHS

* **Programming Languages:** Python | Java | JavaScript | HTML | CSS
* **Data Science & Machine Learning Frameworks:** NumPy | Pandas | Scikit-learn | TensorFlow | PySpark
* **Databases:** SQL | MongoDB
* **Big Data & Analytics Tools:** Hadoop | Apache Spark & Superset | Jupyter | Power BI
* **Development & Other Tools:** GitHub | VS Code | Android Studio | Unity | MS Office
* **Concepts:** Data Structures & Algorithms | Object-Oriented Programming (OOP) | Machine Learning | Big Data | Android App Development | Game Development | AWS | GCP

# EDUCATION

## IIIT Bangalore Mar 2025- Present

PG Diploma in Artificial Intelligence and Machine Learning

## Thakur College of Engineering & Technology Aug 2019- Jun 2023

B.E. Electronics and Telecommunications Engineering CGPA: 9.41/10.0

# PROJECTS

* **[Netflix Content and Market Analytics Dashboard (Power BI, SQL, Python)](https://github.com/itzSheetal/Netflix_Power_BI)**
  + Built an end-to-end dashboard for content performance and market analysis, integrating data from multiple sources using **ETL pipelines** to optimize content strategy.
  + **Performed exploratory data analysis (EDA)** to identify genre popularity, high-performing segments, and regional viewing patterns for **data-driven** and **targeted marketing** decisions.
  + Improved data quality through **data cleaning, transformation, and efficient data modeling**
* **Yoga Posture Detection (Keras, TensorFlow, Mediapipe, OpenCV, Pandas)**
  + Curated a **3000+ image** dataset covering **20+ yoga positions**, achieving **90% accuracy** in real-time posture detection.
  + Implemented **CNNs** and pose estimation algorithms for precise classification and enhanced generalization.

## [Kitab-bae](https://github.com/itzSheetal/KitabBae) (Android Mobile Application to donate and receive books- Java, Firebase)

* + Developed a mobile app for **book donation and exchange** with **real-time messaging** via WhatsApp, enhancing user engagement.
  + Integrated **Firebase** for scalable data storage and seamless real-time updates.

## Movie Recommendation System (Scikit-learn,Flask)

* + Built a personalized recommendation engine using **cosine similarity**, achieving **98.7% prediction accuracy**.
  + Deployed with **Flask** for real-time recommendations and enhanced user satisfaction.

# COURSES

## Google Cloud Data Analytics | Google

## Python for Data Science, AI & Development | Coursera

* Exploratory Data Analysis for Machine Learning | **IBM**

## Artificial Intelligence Fundamentals | IBM

**POSITIONS OF RESPONSIBILITY**

* **Point of Contact (PoC) for Data-Driven Decision Making - Reliance Jio**
  + Acted as a liaison between data science, network operations, and business teams, ensuring data-driven strategies for network optimization.
  + Managed and maintained telecom data pipelines, integrating big data solutions (Hadoop, PySpark, Apache Superset).
* **Team Leader – IPL Event (Reliance)**
  + Led and coordinated a group of volunteers, managing logistics and event operations for the **Indian Premier League (IPL)** organized by Reliance.
  + Demonstrated **leadership, communication, and team management** in a high-pressure, large-scale event environment.