

Profile summary:

Results-oriented Project Associate with 2.5 years of experience in interpreting and analyzing data to drive successful business solutions. Proficient in data visualization, statistical analysis, and creating data-driven insights to support strategic decision-making. Skilled in using analytical tools such as SQL and Python to streamline processes and improve overall business performance.

Skills:

- **Technical Skills:** SQL, Python (Pandas, NumPy, Scikit learn), Power BI
 - **Database Management:** MySQL, PostgreSQL
 - **Data Visualization:** Creating dashboards, reports, and data visualizations using Power BI
 - **Statistical Analysis:** Regression Analysis, Predictive Modeling, Time Series Analysis, Supervised and Unsupervised Clustering
-

Education:

- | | |
|---|--------------------|
| • PG Diploma in Machine learning and Big Data Analytics | 04/2022, Bengaluru |
| • Bachelor of Engineering, University of Solapur | 06/2019, Solapur |
-

Certifications:

- Complete data analyst bootcamp from basics to advanced learning from Udeemy
-

Work Experience:

CDAC A Scientific Society of MEITY GOV

05/2022 - Present, Bengaluru, IN

- **Geospatial Analysis for Mangrove Forests:** Developed a comprehensive analysis pipeline to segment drone-captured imagery, enabling accurate calculation of mangrove forest areas and the creation of 2D orthometric maps for enhanced environmental monitoring.
- **Time-Series Clustering and Forecasting:** Analyzed household electricity demand using smart meter data, applying time-series clustering techniques and forecasting models to identify consumption patterns and predict future energy usage.
- **AES-GCM Encryption Implementation:** Explored and documented the implementation of AES-GCM encryption for securing meter data transmissions. This included detailing the encryption and decryption processes, key management, and the advantages of using AES-GCM for ensuring data confidentiality and integrity in smart meter communications.

Internship and PG course, CDAC Bengaluru

09/2021 - 04/2022, Bengaluru, IN

- Took a leading role in implementing cutting-edge technologies for automatic brain tumor detection, leveraging deep learning methodologies to address challenges stemming from limited MRI acquisition.
- Stock price prediction using time series modeling.
- House price prediction using regression

Languages

- English: Professional Proficiency
- Marathi: Native
- Hindi: Professional Proficiency