

NANDINI PATEL

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OBJECTIVE

As a committed Big Data Analytics master's student, I'm excited to begin my career as a Data Analyst ,Data Scientist or AI/ML Developer. My academic background, along with practical experience from a recent internship where I worked on a data analysis project concentrating on ESG risk scores, has given me good knowledge of Python, data visualization, and machine learning methods. I'm excited to contribute to unique initiatives by leveraging my developing skills and passion for AI/ML Developer. My continued education and hands-on experience have allowed me to adapt fast and contribute significantly to a forward-thinking team.

EDUCATION

Master of Science in Big Data Analytics.

June 2023 - July 2025

St. Xavier's College, Ahmedabad (Pursuing)

- Developed a solid understanding of data analytics, machine learning, and statistical modelling via courses and projects.
- Used theoretical knowledge to solve real challenges in academic projects, including Python, R, and data visualization.
- Worked with big datasets, cleaning, preparing, and developing predictive models.
- Actively participated in group initiatives to improve cooperation and communication skills in a collaborative atmosphere.

Bachelor of Science in Mathematics.

June 2020 – April 2023

Sir. P.T Sarvajani College of Science, Surat

- Specialized in pure mathematics, including advanced topics such as Algebra, Calculus, and Differential Equations.
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TECHNICAL SKILLS

- **Programming Languages:** Python, R, SQL.
 - **Data Analysis & Visualization:** Pandas, NumPy, Matplotlib, ggplot2, Tableau.
 - **Machine Learning:** Scikit-learn, XGBoost.
 - **Tools & Technologies:** Jupyter Notebook, SPSS, Excel.
 - **Soft Skills:** Problem-solving, Analytical thinking, Communication, Teamwork.
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PROJECTS

SP 500 ESG Risk Ratings

- Conducted comprehensive data analysis on ESG risk ratings in various industries and states.
- Used Python packages such as Pandas for data processing and Seaborn/Matplotlib for advanced data display.
- Used Plotly to create interactive maps of ESG risk scores per state, including sector information.
- Visualized the association between ESG components (Environmental, Social, Governance) and total risk ratings to help stakeholders identify areas of concern.
- Used clear and visually appealing charts to improve decision-making for ESG investments.

Air Quality Index

- Main focus on data processing, prediction(Machine learning) and forecasting(Time Series analysis).
 - Used Python packages such as Pandas for data processing and Seaborn/Matplotlib for advanced data display.
 - Find the AQI value using the numpy.
 - For Prediction Used the Regressor for simply regression(different type of splitting methods), SVM ,ensemble techniques.
 - Used the k-means for clustering on different cities.
 - Forecast the AQI value base on Time series model.
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EXPERIANCE

Data analytics Internship, IBM Skills Build (virtual)

June 2024 - Aug 2024

- SP 500 ESG Risk Ratings
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CERTIFICATIONS

- Data Fundamentals - **IBM Skills Build**
- Project Management Fundamentals - **IBM Skills Build**
- Data Analysis Through Software SPSS – **VNSGU**

July - 2024

July - 2024

March - 2023