



Shivasheesh Singh
MS Research
Sustainable Energy Engineering
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EDUCATION

Degree	Institute	CGPA/Percentage
MS Research(SEE)	Indian Institute of Technology Kanpur	7.6*/10
B Tech (ME)	Lovely Professional University Jalandhar	70.29%
Senior Secondary	National Inter College Prayagraj	67.6%
Higher Secondary	National Inter College Prayagraj	62.5%

PROFESSIONAL EXPERIENCE

- **io digital llp** Apr(18) - Mar(20)
Associate Delhi
 - Oversaw complete gift delivery operations at **Ferns N Petals**, ensuring smooth process from order to delivery
 - **Key Responsibilities:** Effectively managed complex **managerial escalations**, showcasing strong **negotiation skills** and maintaining business relationships. Successfully boosted firm **profitability** with a minimum profit margin of **50 percent**
 - **Impact:** Spearheaded the strategic expansion of the team, facilitating a remarkable growth from **15 to 35** members, while maintaining operational efficiency and cohesiveness
 - **Learning:** Team Management, CRM operations, Escalation Handling and client Negotiation

RESEARCH EXPERIENCE

- **Measuring the Energy Inequality in India (M.S. Research Thesis)** Ongoing
Prof. Deepika Swami
 - Efficiently accessed **Demographic Health Survey** data, categorized essential variables using **Pandas** and **NumPy**
 - Analyzed **1 Million+** data points and **6,000+** variables to assess clean cooking fuel accessibility in **Indian households**
 - Separated the households with and without access of **clean cooking fuel** and visualization of the same was done by Matplotlib and Seaborn our future intent is to find out the **Gini coefficient** with the help of **Lorenz curve** and proposing the **best policy** for clean cooking fuel in India based on the rank of each state

SELF PROJECT

- **Uber Data Analysis** Jul(23)
 - Completed data pre-processing and cleaning of the dataset comprising around **31 million+** entries
 - Analyzed the NYC Uber pickups dataset to identify demand patterns, including hourly, weekly, and monthly trends
 - Visualized Uber's ridership growth in NYC and an estimated value of the NYC market and revenue growth, revealed total revenue of Uber in 1 year as **595 Million USD**, growth in NYS as 84% and Gross Margin of **149 Million USD**
- **Designing an Advanced Delivery Insights Dashboard using Power BI and AI Tools** Jun(23)
 - Developed a comprehensive delivery insights dashboard for a delivery company of more than **4000** orders leveraging the capabilities of **Power BI** and AI tools. The dashboard provided real-time analytics and actionable insights to enhance **operational efficiency**, optimize routes, and improve **customer satisfaction**
 - **Tools Used:** Power BI for data visualization and dashboard creation, Data preprocessing and cleaning techniques
- **Algerian Forest Fire Prediction using Ridge and Lasso Regression** Jun(23)
 - **Objective:** Implemented Ridge and Lasso regression techniques on Algerian forest fire dataset to predict **Fire Weather Index (FWI)** for proactive fire risk assessment
 - **Results:** Achieved Accurate FWI Predictions with Regularization for Informed Forest Fire Management. Selected Ridge Regression Model for Maximum Accuracy
- **House Price Prediction using Machine Learning** Jun(23)
 - Formulated a machine learning model for house price prediction using features such as bedrooms, area, and bathrooms, comparing **linear regression** and **decision tree** methods
 - Achieved the best performance with **Random Forest** using **10-fold cross-validation**, resulting in a final **RMSE** of **3.21**

COURSE PROJECT

- **Per Capita Energy Analysis: Gujarat vs. Kerala** Jan(23)-May(23)
Introduction to Sustainable Energy Policies (IIT Kanpur)
 - Discovered significant electricity demand disparities despite similar GDP per capita in Gujarat and Kerala. Unveiled the **direct link** between **energy demand** and **economic activity**, highlighting Gujarat's economic dominance as a key driver of higher consumption. This insight contributes to informed regional energy policy considerations

PROFESSIONAL SKILLS

- **CRM Operations || OMS control || Client Handling || Escalation Management|| Team Training and Business development**

TECHNICAL SKILLS

- **Languages/Database:** Python, SQL, Machine Learning
- **Software Tools:** MS Excel, Power BI, Jupyter Notebook, V S Code, NumPy, Pandas, Matplotlib, Seaborn, Scikit-learn

CERTIFICATIONS

- **Business Intelligence using Power BI || Skill Nation**
- **Complete Data Science Bootcamp || Udemy**

POSITIONS OF RESPONSIBILITY

- **Student Guide:** Led a team of **20 student** and helped them thoroughly for their academic registration and mentoring them continuously on behalf of Institute Counseling Services(**PG Core team**), also successfully coordinated and **managed** a comprehensive orientation event for **1400+** incoming students
- **Teaching Assistance:** As a Teaching Assistant, I actively engaged in outreach activities and coordinated informative sessions, captivating **lab visits**, and **eco-conscious quizzes** to **promote sustainability** and raise awareness among **diverse audiences**, including **school children**