

# Achleshwar Pratap Singh

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## SUMMARY

Data analytics professional with 4 years of experience driving user market share through data mining and visualization. Skilled in leveraging **Python, SQL, and Machine Learning** to deliver impactful business insights.

## EDUCATION

**IIIT Bangalore** | Bengaluru, IN

Mar '24 - Jan '25

*Post Graduate Diploma in Data Science*

*Specialization : Data Analytics and Deep Learning*

- **Course Modules:** Data Analysis SQL, Data Visualizing Python, Machine Learning / Linear Regression, Time Series Analysis Bagging & Random Forests, Model Selection and Deep learning.

**Jagan Institute of Management Studies** | New Delhi, IN

Apr '19 - May '21

*Postgraduate Diploma in Management*

*Specialization : Retail Management & Marketing*

## PROJECTS (Personal) - <https://achleshwarsingh.github.io/portfolio/>

- **Telecom Industry:** Customer churn prediction using machine learning (A/B Testing , Python).
- **Healthcare Sector:** Data-driven healthcare solutions using HMIS (MySQL).
- **Manufacturing Sector:** Bike demand prediction using multiple linear regression (Python).
- **Media Company:** Data-driven insights for global film release (MySQL).
- **Education Sector:** Lead conversion prediction using random forest (Python).

## WORK EXPERIENCE - Total Experience : 4 Yrs

**Knowledge Ridge** | Noida, IN

Aug '22 - Present

*Research Analyst*

*2 Yrs 5 Months*

- Conducted **qualitative and quantitative research** to drive data-driven pipeline / insights across **US, EMEA, and APAC markets**.
- Conducted in-depth consultations with key stakeholders across **Technology, Automotive, Healthcare, and Telecom** to identify industry trends and optimize strategies.
- Helped in leveraging data analysis to drive **revenue and process growth** by uncovering actionable insights for **business optimization**.

### Projects -

- **Healthcare Industry - Cancer High-Risk Study (USA)** - Analysed a **30% rise in cancer cases** over **5 years** using data from **5 top hospitals**. Processed **10,000+ records**, identifying **4 key risk factors**, with **60% linked to unhealthy diets**. Recommended **free dietary sessions**, benefiting **5,000+ patients annually** to improve preventive healthcare. (MySQL)
- **Technology Industry - Gen AI Study** - Conducted a global Gen AI partnership study, analysing hyperscaler incentives and led 25+ consultations across 10+ countries, identifying 5 key factors to enhance partner satisfaction & training programs. (Excel , Power BI)

**High Beam Global** | Gurgaon, IN

Mar '21 - Jun '22

*Market Research Analyst*

*1yr 4 months*

- Used **advanced analytics tools** to interpret datasets and **identified patterns for more than 100+ research studies**.
- Conducted **primary and secondary research** to assess market opportunities for **product launches**.

## TECHNICAL SKILLS

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**Data Visualization Tools:** Matplotlib, Seaborn, Plotly, Tableau, Power BI, Excel  
**Programming and Libraries:** Python (Pandas, NumPy, Scikit-learn, Statsmodels), Databases: SQL, MySQL  
**Statistical Analysis:** Inferential Statistics, Predictive Statistics, Hypothesis Testing  
**Machine Learning Techniques:** Linear Regression, Logistic Regression, Decision Trees, Clustering, Deep Learning  
**ETL and Data Integration:** TensorFlow, PyTorch, Apache, Data Warehousing, Basic ETL Processes, Hadoop

## SOFT SKILLS

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Analytical Thinking, Insight Generation, Communication Skills, Collaboration with Cross-Functional Teams, Problem-Solving, Adaptability and Learning New Tools.

## CERTIFICATIONS

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- Boot Camp - Python Programming | Upgrad - Mar 2024 – May 2024
- Advance Business Analytics | University of Colorado - Issued 2022
- Introduction to Python | DataCamp - Issued May 2022
- Introduction to SQL | University of Michigan - Issued Apr 2022

## ADDITIONAL INFORMATION

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- **Awards/Activities:**
  - Employee of the Month | Knowledge Ridge - August 2022 & August 2023
  - Research Paper Presentation – Impact of FDI on Economic Growth of India | ICAMP 2020
  - Research Paper Publication - Kalasarovar Journal (UGC Care Indexed Journal)
- **Internships :**
  - Collaborative Information Seeking Intern | Oxygarden - May 2020 – July 2020
  - Managerial Trainee | Aditya Birla FRL - Dec 2019 – Mar 2020