



**IITI DRISHTI CPS FOUNDATION**  
**(A Section 8 - Not for Profit Company)**

Advt. No. – IITI-DRISHTI-CPS/Sec-8/2025/15

Date: 13<sup>th</sup> October 2025

IITI DRISHTI CPS Foundation (DRISHTI CPS in short), a Technology Innovation Hub (TIH) established at IIT Indore under the aegis of National Mission on Interdisciplinary Cyber Physical Systems (NM-ICPS), is working along the technology vertical of System Simulation, Modelling and Visualization. DRISHTI CPS is committed to fostering technology development and commercialization, skill development, startups support, and employment creation in the field of Cyber-Physical Systems. More details about the company are available at: <http://drishticps.iiti.ac.in/>

**Job Title:** Jr./Data Scientist

**Job Location:** IIT Indore

**Roles and Responsibilities**

- Research, design, and implement innovative statistical and machine learning models for data analysis and predictive insights.
- Collaborate with cross-functional teams to identify opportunities for leveraging data to drive business solutions.
- Mine, interpret, and clean large datasets (structured and unstructured) to uncover meaningful patterns and insights.
- Assist in developing and validating AI/ML models for tasks such as classification, regression, clustering, and recommendation systems.
- Apply data wrangling and preprocessing techniques to ensure data quality, consistency, and suitability for modeling.
- Utilize data visualization tools (e.g., Matplotlib, Seaborn, ggplot, Plotly, Tableau, Power BI) to communicate findings clearly and effectively.
- Contribute to the deployment, monitoring, and optimization of machine learning models in production environments.
- Stay current with emerging AI/ML techniques, tools, and frameworks, and share knowledge with team members.
- Clearly communicate analytical results and insights to both technical and non-technical stakeholders through presentations and reports.
- Work collaboratively with data engineers, analysts, and domain experts to enhance



data pipelines and improve data-driven decision-making.

## Requirements

- **Educational Qualification:** Bachelor's or Master's degree in Computer Science, Statistics, Mathematics, Data Science, or a related field.
- **Programming & Machine Learning:**
  - Proficiency in Python and its key libraries/frameworks such as NumPy, Pandas, Scikit-learn, TensorFlow, PyTorch, and Keras.
  - Understanding of supervised and unsupervised learning algorithms (e.g., regression, decision trees, clustering, neural networks) and concepts like feature engineering, model evaluation, and cross-validation.
  - Familiarity with deep learning principles and frameworks for building and training models.
  - Experience with R, SQL, and other query languages (Hive, Pig) is desirable.
  - Exposure to Scala, Java, or C++ is an added advantage.
- **Mathematics & Statistics:**
  - Strong grasp of statistical concepts, including hypothesis testing, distributions, regression analysis, and probability.
  - Solid understanding of linear algebra, calculus, and optimization techniques used in machine learning.
- **Data Handling & Visualization:**
  - Experience in data cleaning, integration, and transformation for large datasets.
  - Proficiency with visualization and storytelling using tools like Matplotlib, Seaborn, Plotly, or Tableau.
- **Communication & Collaboration:**
  - Excellent communication skills to convey complex findings to diverse audiences.
  - Team-oriented mindset with a curiosity-driven and problem-solving approach.



आईआईटीआई दृष्टि सीपीएस फाउंडेशन, भारतीय प्रौद्योगिकी संस्थान इन्दौर

खंडवा रोड, सिमरोल, इन्दौर – 453 552, मध्य प्रदेश, भारत

**IITI DRISHTI CPS Foundation, Indian Institute of Technology Indore**

Khandwa Road, Simrol, Indore - 453 552, Madhya Pradesh, India

CIN: U73100MP2020NPL054322

**Compensation:** As per industry standard.

Interested candidates may [click here](#) to submit the application.

Only shortlisted candidates will be called for a written test/interaction/interview. Mere fulfillment of the eligibility criteria does not entitle an applicant to be shortlisted. All the applications will be thoroughly evaluated for suitability with the company's requirements. The company reserves the right to not fill up /cancel the post advertised without assigning any reason. In the case of selection, the role will be finalized by the selection panel and the decision will be binding. The position is contractual, full-time in nature and subject to periodic performance reviews.