**KANISHK ARORA**

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**PROFILE SUMMARY**

# Data Scientist aspirant with IoT engineering experience, specializing in developing data-driven applications for EV charger stations. Skilled in real-time data processing, financial data integration, and system optimization. Passionate about leveraging data analytics and machine learning to drive insights and improve operational efficiency in tech-driven environments.

# EDUCATION

B. Tech (Chemical Science & Technology) 2017-2022

Indian Institute of Technology (IIT Guwahati)

# PROFESSIONAL EXPERIENCE

**VVDN Technologies** –*IOT Engineer* Apr 2023 – Oct 2023

* *Developed EV Charger Station Software*: Led the design and development of IoT-based software applications for electric vehicle (EV) charger stations, integrating real-time data collection and analytics.
* *Integrated Vehicle Charging Metrics:* Engineered systems to track and display vehicle charging statistics, including the amount paid, pending payments, and other key transactional data, improving financial accuracy.
* *Enhanced System Performance:* Optimized software functionality for reliability and scalability, contributing to a significant increase in system uptime and user satisfaction.
* *Collaborated on IoT Solutions:* Worked with cross-functional teams to implement IoT solutions, using X technology and Y tools to enhance EV charging operations.

**SKILLS**

**1. Data Analysis & Visualization:**

* Python (Pandas, NumPy)
* Data Visualization (Matplotlib, Seaborn)

**2. Machine Learning:**

* Sci-kit learn for building ML models
* Regression, Classification, and Clustering techniques
* Model evaluation and tuning

**3. Programming:** Python, Pygame for simulations and visualizing algorithms

**4. Soft Skills:**

* Problem-solving skills
* Strong analytical mindset
* Collaboration and teamwork

**5. Tools & Technologies:** Kaggle, Jupyter Notebook, Google Colab

**PERSONAL PROJECTS**

* *Disney Movie Data Collection:* Applied data mining techniques to gather and analyze data on Disney movies.
* *Celebrity Recognition:* Developed a machine learning model for recognizing celebrities.
* *Discrete Dynamical Systems:* Completed a college BTP project focusing on discrete dynamical systems.
* *Dragon’s Tunnel:* Developed an interactive game using the Pygame library, showcasing advanced algorithmic visualization and game design principles.

# COURSES & CERTIFICATIONS

* Image and Video Processing: From Mars to Hollywood with a Stop at the Hospital
* Ask Questions to Make Data-Driven Decisions
* Foundations: Data, Data, Everywhere
* Foundations of Project Management

# HONORS & AWARDS

* Awarded the KVPY(2015-16) scholarship for excellence in scientific aptitude and performance in   
  national-level assessments.
* Achieved a bronze medal in the inter-collegiate basketball tournament, demonstrating leadership, teamwork, and strategic prowess on the court.
* Successfully solved Euler Project problems 390 and 277 using Python, showcasing proficiency in algorithmic thinking and programming skills.

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