Dhruv Ojha

Chicago, IL 60616 • Email • 872-295-9055

LinkedIn • Portfolio • Github

Data & Software Engineer | Real-Time Motorsport Analytics & Simulation

EDUCATION

Illinois Institute of Technology - (B.S.) Computer Science/Data Science   Expected 2026
- Data Mining, Intro to A.I., Operating Systems, Database Organization, Probability, Software Engineering, OOP
- SQL Specialist. Badge Credential   Coding for Data Track
- Python Specialist Badge Credential

SKILLS

Programming and Data: SQL, Python, Pandas, NumPy, MATLAB, R
Motorsports and Simulation: FastF1, MoTeC i2, Simulink, Vehicle Dynamics
Tools and DevOps: Git, Streamlit, AWS, Tableau, Docker

EXPERIENCE

The Global Career Accelerator | *SQL & Python Trainee* | Remote   January 2025-May 2025

- Processed & analyzed 350K+ records across five real-world datasets in Jupyter Notebook, uncovering 7 actionable insights that cut lap-simulation runtime by 25 % (benchmark transfer)
- Built 10+ interactive Tableau dashboards, slashing report-generation time by 40% and elevating stakeholder engagement by 30%
- Modeled user behavior across four industries, surfacing key trends that drove a 15% uplift in targeted engagement metrics
- Coordinated with an 8-member, multi-continent team to deliver six end-to-end projects on schedule, achieving 100% on-time delivery and 98% data-accuracy compliance

Illinois Institute of Technology | *Teaching Assistant* | Chicago, IL   August 2023–December 2023
- Mentored 50+ students in math and computer science, implementing personalized learning plans that raised average test scores by 18% and improved course pass rates by 30%
- Applied behavior management strategies, reducing classroom disruptions by 20%
- Organized and entered student data in Excel, improving reporting accuracy by 15%

MOTORSPORTS PROJECTS | Github Link (for raw codes)   June 2025
- **FastF1 Tyre-Degradation Predictor**: In Progress
- **Lap-time Simulator**: Planned

OTHER PROJECTS

Grammy.com Engagement Analysis | Link Certificate   Completed April 2025
- Analyzed 250K+ rows of analytics data for Grammy.com and AMA sites, uncovering 4 key engagement trends that drove a 12% increase in average session duration
- Delivered 8+ Tableau dashboards and presentations, translating insights into 5 strategic recommendations that boosted stakeholder adoption of data-driven changes by 20%

Intel Data Center Site Selection | Link Certificate   Completed March 2025

- Engineered SQL pipelines to process 3 million+ energy records, calculating regional surpluses, renewables %, and plant efficiency, cutting data-prep time by 30%
- Built 6 interactive dashboards in Tableau and recommended Washington as the optimal center site, projecting a 25% reduction in energy costs and carbon footprint