DHRUV GROVER

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SUMMARY

Industrial Internet of Things (IIoT) engineering student with experience in web development, data analytics, and machine learning. Completed a data analytics internship at IBM and built projects using Python and React.js. Seeking an internship to apply these skills in building scalable, data-driven solutions.

EXPERIENCE

IBM SkillsBuild Data Analytics Intern   *Remote | [June] 2024 - [August] 2024*

- Analyzed over **100,000 rows** of structured data using Python (Pandas) and SQL, identifying key patterns related to customer behavior and sales trends.
- Generated classification models using Scikit-learn, achieving up to **85% accuracy** in predicting outcomes such as product churn or category demand.
- Collaborated in an Agile team of 5, completing **3 development sprints** and participating in daily stand-ups, sprint planning, and code reviews.
- Contributed to a capstone project focused on improving data-driven decision-making, with deliverables submitted **100% on time** and meeting all evaluation criteria.

EDUCATION

University School of Automation & Robotics (USAR), GGSIPU   *2023 – 2027*
Bachelor of Technology in Industrial Internet of Things (IIOT)   **CGPA:** 8.52

DLDAV Model School (CBSE)   *2022 – 2023*
Senior Secondary (12th)   **85%**

TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C, R
- **Web Development:** JavaScript, HTML, CSS, React.js, Bootstrap, Node.js, REST APIs, MySQL
- **Development Tools & Frameworks:** Git, GitHub, Hugging Face Spaces, Streamlit
- **AI & Machine Learning:** Regression, Classification, TensorFlow, Scikit-learn, Pandas, Numpy, Matplotlib
- **Relevant Coursework:** Data Structures & Algorithms, Operating Systems, Object Oriented Programming, Database Management System, Computer Networks, Probability and Statistics.

PROJECTS

TaskDen — To-Do Web App   **Live Demo | Project Code**

- Produced a task management app used by **10+ peers** to organize daily tasks with real-time feedback.
- Implemented task creation, deletion, and completion features with persistent **data storage** across sessions using **browser cookies**.
- Reduced manual tracking effort by **50%** in peer testing.
- **Tech Stack**: React.js, JavaScript, Bootstrap, HTML, CSS.

SolarScope AI – Rooftop Solar Analysis Tool   **Live Demo | Project Code**

- Built an AI tool to analyze rooftop satellite images and **estimate solar panel potential**, **power output**, and **ROI.**
- Implemented image segmentation using **OpenCV**, achieving **~85% confidence accuracy** on mock rooftop images.
- Simulated panel count and projected savings of **₹90L+ over 25 years** using estimated area; **deployed** via **Streamlit** on **Hugging Face Spaces** with full **GitHub** documentation.
- **Tech Stack:** Python, Streamlit, OpenCV, NumPy, Hugging Face, GitHub.

POSITIONS OF RESPONSIBILITY

Core Member – Software Development Team, AWSCC, GGSIPU   *May 2024 – Sep 2024*

- Developed and maintained the club's website using React.js and Bootstrap, increasing engagement by **50%**.
- Led technical interviews for **15+ recruits** during the mentorship intake, standardizing evaluation criteria.
- Collaborated with a 6-member team to deliver all assigned features within project deadlines using **Git workflows.**
- Identified and resolved integration bugs during internal tool development**, improving overall deployment.**