

YUVRAJ SINGH

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SUMMARY

Recent Computer Science graduate skilled in Python, SQL, and statistical analysis, with hands-on experience in data modeling, ETL pipelines, and visualization. Passionate about transforming raw data into actionable insights to drive business decisions. Interested in contributing to scalable data platforms and providing actionable insights in a dynamic and global tech environment.

WORK EXPERIENCE

ED/IT Intern, JMRC – Jaipur May 2025 – Jul 2025

- Engineered real-time dashboards with Power BI and Dash to analyze large-scale Apache logs, improving data observability and platform performance insights.
- Reduced dashboard query latency and system resource usage by 20% through optimized data ingestion and filtering logic.

Data Analyst Intern, Elevate Labs – Remote Apr 2025 – May 2025

- Led data-driven insights across multiple domains using Python(pandas, matplotlib, seaborn), SQL, and Power BI, delivering 8 end-to-end GitHub projects that demonstrate advanced analytics and business storytelling.

Software Developer Intern (Front End), Roshan Dairy Pvt. Ltd. – Remote May 2024 – July 2024

- Added UI features including digital outreach options, real-time cart sub-total updates, and implemented client-side price filter functionality for product listings using JavaScript.
- These enhancements improved product discoverability and the overall user experience, resulting in a marked increase in checkout conversions and 50% growth in social media engagement.

PROJECTS

Latency-Aware Task Partitioning and Data Modeling in Edge Computing Networks Ongoing

- Proposed a framework for optimal task partitioning and user association across edge–fog–cloud layers, implementing metaheuristic algorithms (ACO, GA, PSO) to solve MILP-based formulations for both dependent and independent subtasks.

Plant Disease Detection Using Image Processing and Machine Learning - Link Feb 2024 - May 2024

- Built structured dataset pipelines with preprocessing, TensorFlow, EfficientNetB4, and Flask to detect plant diseases from leaf images using transfer learning, delivering detailed predictions including symptoms, causes, and treatments.
- Achieved 96% classification accuracy across 38 disease classes on the PlantVillage dataset, demonstrating effective transfer learning and supporting early intervention in precision agriculture.

TECHNICAL SKILLS

- Languages: *Python*, *C++*, *SQL*
- Web Technologies: *HTML*, *CSS*, *JavaScript*, *React*
- Libraries: *Pandas*, *NumPy*, *TensorFlow*, *Seaborn*, *Flask*
- Tools: *VS Code*, *Tableau*, *Power BI*, *Dash*, *Jupyter Notebook*, *Git*, *GitHub*

EDUCATION

Manipal University Jaipur 2025

Bachelor of Technology (B.Tech), Computer Science Engineering (Hons.) IoT and IS

Cambridge School Rewari – CBSE, PCM 2018 - 2020
10th -12th