YUVRAJ SINGH

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SUMMARY

Dynamic Fresher Software Developer with a strong foundation in programming and problem-solving, looking to join a forward-thinking team where I can leverage AI-driven tools and techniques to build efficient, scalable solutions.

WORK EXPERIENCE

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

- Designed and deployed interactive dashboards using Power BI, Dash, and Python to analyze Apache server logs, enabling real-time insights into system performance and user behavior.
- Reduced system resource consumption by 20% by optimizing dashboard queries and data pipelines.

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

- Led data-driven insights across multiple domains using Python, 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 – 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

Joint Task Partitioning for Latency Minimization in Mobile Edge Computing Network   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

- Developed a web-based AI tool using 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, JavaScriipt*
- Tools: *VS Code, Tableau, Power BI, 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   2020
Senior Year

Cambridge School Rewari – CBSE   2018
High School