

LAKSHYA RAGHUVANSHI

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[LinkedIn](#)

EDUCATION

B.Tech (Mechanical Engineering)	2022-2026	Delhi Technological University, Rohini	C.G.P.A:6.04
CBSE (Class XII)	2021	Dean Bandhu Public School	76%

INTERNSHIPS

Research Intern, DTU, Delhi

June 2025-Present

- Utilized Python and pandas to analyze video-level data for (CTR) prediction and engagement trends of YouTube.
- Engineered and evaluated features from metadata (titles, descriptions) to assess influence on video visibility and recommendation frequency.

Mechanical Utility Intern, Haier Appliances

Feb 2025 – April 2025

- Assisted in data analysis for WTP, STP, ETP and air compression systems to support optimization.
- Analyzed air compression systems to identify energy, quality and cost improvements.
- Supported cross-functional teams by interpreting system efficiency data to improve operational processes and reduce overheads.

Mechanical Maintenance Technician, NTPC Limited

Jul 2024 – Aug 2024

- Performed maintenance checks on 27-floor, 510 MW Stage 2 Boiler to ensure safety and efficiency.
- Implemented a reporting template, speeding up maintenance feedback by 10%.

ACADEMIC PROJECT

Project — CTR Prediction & Metadata Impact on YouTube Recommendations

- Conducted exploratory data analysis using Pandas, NumPy, and Seaborn on 100K+ user sessions to identify metadata-driven trends, improving model feature relevance and boosting AUC.

Project – Hospital Patient Analytics – SQL Project | [Github Link](#) | MySQL, SQL Joins, Subqueries, Aggregations

- Wrote complex SQL queries to analyze admissions, diseases and outcomes.
- Delivered insights for hospital resource and patient care planning.

TECHNICAL SKILLS

Power BI, MySQL, Python, Advanced Excel	Scikit-learn, Git, NumPy, Jupyter Notebook	Matplotlib, Pandas
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POSITIONS OF RESPONSIBILITY

Joint Head, Hospitality at Cultural Council, DTU

- Negotiated strategic partnership with top-tier companies in the food and skincare sector.
- Secured ₹3.5 Lakh in event sponsorship through targeted outreach and proposal pitching.

Corporate Head, Paryavarnam, DTU

- Led the Corporate Department by delegating responsibilities, overseeing team performance, and securing ₹6.5 Lakh in sponsorships through effective client negotiations.