# Devesh Tripathi

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## Education

**NIT Kurukshetra**                                                                                       *2022 – 2026*
B.Tech, Mechanical Engineering
Relevant Coursework: Data Analytics, Engineering Economics, Probability & Statistics, Supply Chain Systems, Market Psychology, Consumer Behavior

**St. Joseph's College, Prayagraj**                                                                       *2020 – 2022*
ICSE: 98.6%, ISC: 92.5% — Fr. Rego Scholar; Top scorer with 7 perfect subject scores

## Experience

**Project Trainee – DRDO (CFEES)**                                                                         *Jun – Jul 2024*
Analyzed ECU sensor logs using Python and MATLAB to develop ML-based predictive maintenance solutions. Designed dashboards and technical briefs to highlight failure trends and support decision-making across engineering teams and studied usage of Software in it.

**Design Engineering Intern – SEPL**                                                                      *Jun – Jul 2025*
Mapped design-to-production flow and created visual trackers for cycle time, bottlenecks, and production lags. Bridged inter-departmental gaps via metrics-led reporting, cutting iteration lag by over 15%.

## Projects

**Sales Forecasting Model**                                                                               GitHub
Built XGBoost and RF-based models for SKU-level sales forecasting. Improved MAPE by 22% and automated trend visualizations using Matplotlib and Seaborn.

**Supply Chain Dashboard**                                                                                GitHub
Developed real-time Power BI dashboards using SQL data pipelines to monitor vendor KPIs and procurement timelines. Enabled proactive decisions that reduced stockouts by 18%.

**Feature Impact Analysis**                                                                               GitHub
Conducted EDA on behavioral data to assess product feature performance. Mapped usage to retention and business value, guiding product deprecation and roadmap priorities.

## Positions of Responsibility

**TEDxNIT Kurukshetra & Startup Cell – Strategy & Data Lead**                                             *2022 – Present*
Created centralized analytics frameworks to monitor event feedback, speaker engagement, and registration flow. Led data-led planning for entrepreneurship expos and TEDx, reaching over 300 participants.

**Editor – Just Another Magazine (JAM)**                                                                  *2023 – Present*
Directed editorial calendars, implemented survey-based content adjustments, and used audience analytics to improve reach by 20% across 3 issues.

**Alumni Association – Student Coordinator**                                                              *2023 – Present*
Built alumni event databases and managed outreach campaigns using segmentation metrics. Ensured higher conversion for RSVP-based events through reminder optimization.

**Confluence (MAD, ELAD) – Committee Head & Anchor**                                                     *2022 – Present*
Designed backstage scheduling and task automation sheets for 30K+ footfall events. Anchored major events and coordinated real-time crowd analytics with organizing team.

## Key Achievements

Won 5+ analytics and strategy contests (Techspardha, IITG)
Qualified IOQM; Fr. Rego Scholar; School Topper (98.6%)
Clinched titles in BPDs, MUNs, JAMs, Creative Writing Competitions, Declamations
State-level chess player; Semifinalist – Theatrix (Alcheringa, IITG)
Earned 150+ certificates and 25+ awards across extra-curricular activities

## Skills

**Analytics:** SQL, Excel, Python (pandas, NumPy), Power BI, Tableau
**Data Science:** Forecasting, Clustering, A/B Testing, Feature Engineering
**Communication:** Data Storytelling, Public Speaking, Editorial Planning
**Tools:** MATLAB, Git, LaTeX, MS Office