

Shaurya Singh

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EDUCATION

Netaji Subhas University of Technology
B.Tech in Electrical Engineering

New Delhi
2022 – 2026

EXPERIENCE

Operations & Maintenance Intern
BSES Yamuna Power Limited

Jun 2025 – Jul 2025
New Delhi

- Analyzed **six months of fault and outage data** using Excel to identify recurring failure patterns across distribution assets, supporting maintenance prioritization discussions.
- Structured and digitized operational logs for **20+ critical assets** using spreadsheets and standardized templates, enabling faster issue tracking and data retrieval.
- Compiled **asset-level performance metrics** and **trend summaries** to support engineering teams in preventive and condition-based maintenance planning.

PROJECTS

ChronoLapse: Geo-Aware Memory App 📱 | *Wireframing, User Research, Figma, Generative AI*

- Conceptualized a mobile app from scratch, translating a user need for contextual memory-keeping into a full **product vision**, defining the complete UI wireframes and end-to-end user flows.
- Directed the development of **10+ user stories** using Generative AI, authoring precise technical specifications, managing an iterative feedback loop, and performing bug triage to guide the project to MVP.
- Shipped a polished Flutter application** across **6+ core screens**, featuring a full CRUD data lifecycle, a dynamic "On This Day" engine, and a background geofencing notification system.

Pharmaceutical Marketplace Pricing Engine 📊 | *Python, scikit-learn, Pandas*

- Engineered a pricing strategy engine analyzing **public Medicare Part D data (\$200B+ GMV)** across 5,000+ SKUs to quantify competitor saturation effects, proving that **monopoly segments command 10x pricing power**.
- Validated **demand inelasticity (0.08 correlation)** for monopoly segments, recommending margin-preservation strategies over volume-based discounting.
- Built a lifecycle classifier to segment inventory into Growth/Decline stages, identifying **\$41B in at-risk churning revenue**, and deployed a **Linear Regression model** to forecast 2025 demand for high-velocity categories.

Telecom Churn Analysis & Prediction 📉 | *SQL, Power BI, Python, scikit-learn*

- Identified a **27% customer churn rate** by building SQL data pipelines and Power BI dashboards to analyze **6,400+** accounts, pinpointing contract type as a key driver.
- Executed data cleaning and feature engineering using SQL and Power Query to prepare the dataset for analysis, improving model accuracy and visualization integrity.
- Trained a **Random Forest model** with **87% accuracy** using Python (scikit-learn) that accurately predicted 369 high-risk churners, enabling early intervention retention efforts.

POSITIONS OF RESPONSIBILITY

Production Department Mentor
Google Developer Student Clubs - NSUT

Nov 2023 – Present

- Mentored and trained a team of **10+ junior members** in UI/UX principles and Figma, improving the quality and delivery speed of club design projects.
- Designed compelling promotional graphics for events boosting event attendance by **60%**, attracting **130+** participants through strategic design promotions.
- Volunteered in organizing club's flagship events during NSUT's cultural and tech fests – Moksha & Resonanz, engaging with a combined footfall of **100,000+ attendees**.

CERTIFICATIONS

Data Science Experience Program – Live Project 📊
Finlatics

Jun 2025 – Aug 2025

- Analyzed a live digital marketing campaign, identifying key insights that led to a projected **15% increase in ROI** by evaluating metrics like **Conversion Rate** and **CPC**.
- Leveraged **Pandas** and **NumPy** to clean and process a dataset of over 50,000 records, improving data quality by resolving **95%** of inconsistencies.

KEY SKILLS

Technical Skills & Tools: Python, SQL, Power BI, Tableau, MS Excel, Figma, MATLAB, Java

Non-Technical Skills: Product Management, Data Storytelling, User Research, Communication, Adaptability