

Sarthak Sachdev

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EDUCATION

Delhi Technological University (DTU)
B.Tech, Mechanical Engineering (CGPA: 8.67)

New Delhi, India
2021 – 2025

EXPERIENCE

Business Development Analyst

Jan 2025 – Present

Battery Smart

New Delhi, India

- Led analytics-backed retention strategies using customer lifecycle data, reducing churn and drop-off by 8%.
- Built Power BI dashboards to track user engagement and detect anomalies, reducing manual latency by 40%.
- Designed incentive schemes and compliance based rewards for non-performing zones, boosting revenue rate by 3%.

ML Engineer Intern

Oct 2024 – Dec 2024

Power Finance Corporation Ltd

New Delhi, India

- Built NLP-based application chatbots using Python and NLTK, enhancing support efficiency by 65%.
- Integrated chatbots with Oracle DB pipelines, improving repeat response accuracy by 20%.
- Utilized Dialogflow framework for multilingual chatbot design, reducing development time by 15%.

Data Science Intern

June 2024 – July 2024

Maruti Suzuki India Ltd

Gurgaon, India

- Developed facial recognition app with TensorFlow/Keras, achieving 98% authentication accuracy.
- Used thresholding logic to flag low-confidence scans, improving error detection by 45%.
- Worked cross-functionally with QA/design to fix edge cases, boosting reliability by 12%.

PROJECTS

In-depth ticket analysis with real-time Slack bot (Source Code)

Mar 2025 – June 2025

- Conducted RCA and integrated bots to segment, monitor, and report tickets, improving response time by 15%.
- Implemented zonal metric tracking and time-based alerts to detect 95% more anomalies early.
- Automated insight reporting via custom Slack alerts, reducing manual effort by 20%.

Customer master data integration using Python, SQL, and Airflow (Source Code)

April 2025

- Developed a production-grade data pipeline using Airflow, Python, and SQL, reducing extraction time by 70%.
- Optimized ETL workflows with SQL indexing and best practices, cutting data fetch time to under 15 minutes.
- Standardized raw datasets into a unified source of truth, saving 40% analyst preprocessing time.

LEADERSHIP & VOLUNTEERING

President, GirlUp DTU (United Nations organization)

Jan 2024 – Dec 2024

- Hosted GirlUp Summit with 500+ participants, raising 45K+ for Go Girl Organization via targeted outreach.
- Amplified Instagram engagement by 56%, expanding the community to 1100+ through content campaigns.
- Orchestrated 17 talk shows across 12 colleges promoting gender equality and social awareness.

Co-Founder, International Finance Student Association, DTU

Dec 2023 – Dec 2024

- Established IFSA DTU, one of the largest chapters in the global IFSA network, serving 600+ finance enthusiasts.
- Provided members with hands-on training in AI-driven analytics, boosting practical learning by 70%.
- Led workshops and forged partnerships, enhancing IFSA DTU's digital presence by 80%.

SKILLS AND CERTIFICATIONS

Data Analysis/Visualization: SQL, Excel, Tableau, Power BI, Looker Studio, A/B Testing

Programming: Python, R, Julia, PostgreSQL, MySQL, MariaDB, AWS, Metabase, Redash

Machine Learning: NLP, Anomaly Detection, Dialogflow, Predictive Modelling, EDA

Business Skills: Cohort Analysis, Customer Segmentation, Market Research

ACHIEVEMENTS

Received 3 medals of merit in NSO and IMO olympiads from 2018–21 with international rank 31 in NSO 2019.

Represented college at IIT Roorkee and achieved the finalist position in CyberSprint hackathon in April 2023.

Received 2nd and 3rd position in LHMC Annual Hackathon in 2022 and 2023 respectively.

Consecutive silver medalist in Delhi Zonal Table Tennis Championship in 2017 and 2018 in sub-junior category.