

Aditya Raj

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EDUCATION

Bachelors:

Electronics and Communication Engineering

Currently in 4th year pursuing B. tech from Netaji Subhas University of Technology (NSUT), Dwarka sector 3, Dwarka, New Delhi-78

Graduation completion - 2025

Intermediate :

Andhra Education Society School - New Delhi, India

Completed 12th standard from CBSE board in 2020.

Matriculation:

Andhra Education Society School - New Delhi, India

Completed 10th standard from CBSE Board in 2018.

EXPERIENCE

Delhi Metro Rail Corporation (DMRC) (May 24 - June 24)

- Collaborated with senior engineers on telecom infrastructure projects, contributing to the maintenance and enhancement of communication systems within the metro network.
- Gained hands-on experience with advanced telecommunications technologies and practices, aligning theoretical knowledge from B.Tech ECE coursework with practical applications.
- Also learned about EPABX, Radio, SDH, MPLS, PIDS, PAS, AFC, SDH, UPS, FOTS technologies.

Tata Data Visualisation [Virtual internship] - July 2024

- Completed a simulation involving creating data visualizations for Tata Consultancy Services.
- Created visuals for data analysis to help executives with effective decision making.

Goldman Sachs [virtual internship]- February 2024

- Completed Goldman Sachs virtual internship program and learned about IT security, Password hacking algorithm, hashcat

PROJECTS

Telecom Customer Churn Prediction Model -[link](#)

- Developed a telecom customer churn prediction model using Random Forest to analyze and predict customer churn based on various input parameters.
- Achieved an accuracy of 94%, with a precision of 0.94 and recall of 0.97 for predicting churn.
- This project involved data preprocessing, EDA, model training, and performance evaluation.

Credit Card Financial Dashboard- [link](#)

- Credit card analysis project using Power BI, incorporating data visualizations to examine transactions, interest, and revenue across customer demographics.
- Utilized graphs, tables, and filters for interactive comparisons, enabling data-driven decisions and deeper understanding of customer behavior and revenue sources.

Exploratory Data Analysis (EDA) on Zomato Restaurant Dataset-[link](#)

- In-depth exploratory data analysis on a real-world dataset of restaurants sourced from Zomato to derive actionable business insights and improve data-driven decision-making in the food industry.
- Skills & Tools Used: Python (Pandas, NumPy, Seaborn, Matplotlib, Folium), Data Cleaning and Preprocessing, Data Visualization and Insight Generation, Statistical Analysis and Hypothesis Testing.

Portfolio- [link](#)

- Created a comprehensive, fully responsive personal portfolio website to effectively showcase my skills and projects.

EXTRA CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Prabhakar degree (6th year) in tabla from Prayag Sangeet Samiti Allahabad.
- Won first prize in Malhaar , an Indian semi-classical music competition at Shaheed Sukhdev College.
- Topper in NPTEL-Introduction to IOT course with 94%.
- Interested in live sound mixing and mastering.

SKILLS

- Databases - MySQL, PostgreSQL
- Business Intelligence & Data Visualization - NumPy, Pandas, Matplotlib
- Tools-Microsoft Excel,, Power BI
- Languages - C++, Python
- Web Development- Front-End development using HTML,CSS,JS
- Strong understanding of Python, C++
- Ability to analyze and synthesize data for tracking and decision making