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# Harsh Raj

## Data Analyst | Data Scientist

[github](#)  
[linkedin](#)  
Portfolio:harshdataweb

### TECHNICAL SKILLS

Languages	<b>Proficient:</b> SQL, Python, Data Analysis, Machine Learning(scikit-learn, XGBoost, Pandas, NumPy, Matplotlib, Seaborn, OpenCV)
Tools & Platforms	<b>Proficient:</b> Power BI (DAX, Data Modeling), Tableau, Excel, ETA, Google Sheets, SPSS, JIRA, Git, LaTeX, Jupyter Notebook, SQL Server, MySQL, GitHub

### EDUCATION

<b>Maharaja Agrasen Institute of Technology, GGSIPU</b> Bachelor of Technology in Electronics and Communication Engineering (CGPA: 8.8/10)	2019-2023
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### PROJECTS

#### Spotify Listening Data Analytics Dashboard [\[link\]](#)

- Built an interactive dashboard to analyze user listening behavior, track engagement, and playback patterns.
- Delivered insights into user actions such as skips, play reasons, and shuffle usage across various platforms.
- Identified peak listening hours and engagement trends using time-based session analysis.

#### Employee Attrition Prediction for HR Analytics [\[link\]](#)

- Built models to forecast attrition and inform HR strategies.
- Conducted exploratory data analysis and visualized trends influencing attrition such as job role, work environment, and tenure.
- Improved model performance through hyperparameter tuning, enabling accurate forecasting of attrition risk.

#### Yellow Taxi Trip Data Analysis and Visualization [\[link\]](#)

- Analyzed NYC Yellow Taxi data to uncover trends in passenger behavior, trip characteristics, and tipping patterns.
- Visualized revenue, trip distances, and ride counts across time, vendor type, and geolocations to inform strategy.
- Delivered actionable insights through time-based and geospatial analysis for improved transportation management.

### EXPERIENCE

<b>Machine Learning Intern</b> <i>Indian Oil Corporation</i>	<b>July 2022 — Sep 2022</b> <i>New Delhi, India</i>
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- Designed a computer vision system to automate cylinder serial number recognition, reducing errors by 40%.
- Created an interactive Power BI dashboard for real-time monitoring of production KPIs.
- Automated data pipelines using Python and SQL, improving reporting efficiency.

<b>Front-End Developer Intern</b> <i>Littra</i>	<b>Dec 2021 — Feb 2022</b> <i>Remote</i>
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- Developed responsive web applications using React.js, HTML5, CSS3, and JavaScript.
- Improved user engagement by 30% and conversion rates by 20% through optimized UI/UX designs.

### CERTIFICATION

- Google Advanced Data Analytics Capstone – *Coursera* [\[link\]](#)
- Accenture Data Analytics & Visualization Virtual Internship – *Forage* [\[link\]](#)
- PwC Switzerland Power BI Virtual Case Experience – *Forage* [\[link\]](#)