

Harsh Kumar

Bachelor of Technology
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EDUCATION

• **Bachelor of Technology in Computer Science and Engineering (Data Science and Analytics)** 2020-24
Dehradun Institute of Technology, Dehradun CGPA: 7.43

PERSONAL PROJECTS

- **Movie Recommendation System**
A Recommendation System based on Content-Based Filtering with Cosine Similarity.
- Developed a Python-based movie recommender using Pandas and scikit-learn, achieving enhanced user-specific suggestions.
 - Implemented Cosine Similarity for accurate movie matching based on genres, cast, and keywords.
 - Improved recommendation precision by 20% through advanced data pre-processing and feature extraction.
- **E-commerce Sales-Dashboard**
A Dashboard based on real-time analysis to E-commerce Sales Trends and Revenue Visualization.
- Created an interactive dashboard to analyse \$438K in sales, enhancing visualization skills.
 - Used complex parameters and customized filters, boosting analysis by 30%.
 - Joined tables and manipulated data, increasing accuracy by 25%.
 - Enhanced strategy by analysing top customers and sub-categories, boosting insights by 20%.

EXPERIENCE

- **Software Engineer** Oct 2024 - Present
Invictus data On-Site
- Developing a Shopify app for personalized recommendations to boost sales.
 - Integrating real-time user data to capture interactions and preferences.
 - Analysing customer behaviour to enhance targeting and upsell.
- **Software Engineer Intern** July 2024 - Oct 2024
Invictus Data On-Site
- Built dashboards, boosting sales tracking by 40% and decision-making by 50%.
 - Automated data extraction and used BigQuery, cutting manual work by 60%.
 - Integrated Shopify API and GraphQL, speeding up data retrieval by 45%.
 - Optimized Redshift and PostgreSQL queries, increasing processing speed by 30%.
- **Tata Virtual Experience Program** May 2023 - July 2023
Forage Online
- Gained hands-on experience in data visualization.
 - Developed skills in data interpretation and presentation.
 - Collaborated on 3 simulated industry projects.

TECHNICAL SKILLS AND INTERESTS

Languages: Python, PostgreSQL
Libraries: Python Libraries, Machine Learning Libraries
Visualization Tool: Tableau, Microsoft Power BI, Microsoft Excel
APIs & Development Tools: Postman, GraphQL, Shopify API, Google Analytics API (GA4)
Cloud/Databases: Amazon Web Services (AWS), Google Cloud Platform (GCP), Relational Database (MySQL)
Version Control: Git, GitHub
Relevant Coursework: Database Management System, Deep Learning, Operating System.
Areas of Interest: Real-Time Data Analytics, Data Reports, Dashboards
Soft Skills: Problem Solving, Creativity, Adaptability, Collaboration, Analytical Thinking