

HARSHIL DALE

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TECHNICAL SKILLS

- **Programming Languages:** R, Python (NumPy, Pandas, Scikit-learn, Matplotlib, Seaborn), SQL
- **Databases & Data Warehouse:** PostgreSQL, MySQL, AWS Redshift, Snowflake, SQL Server
- **Data Visualization & Manipulation Tools:** Excel, Tableau, MS Power BI, AWS QuickSight, ETL Tools
- **AWS:** Redshift, QuickSight, S3, DB, Lambda, Glue, Athena
- **Statistical Analysis Tools:** MS Excel, SAS, R
- **Applications:** MS Office Suite (Word, Excel, PowerPoint)
- **Certifications & Training:** GATE Qualified (twice), NPTEL – Data Science for Engineers

WORK EXPERIENCE

Data Analytics Intern

C9LAB (Pinak Infosec Pvt. Ltd), Indore, MP

March 2025 – Present

- Developed a **Cloud-Based Data Analytics Solution** for **Cybersecurity** products (**C9Phish, QSafe, C9Pharos**).
- Worked on **Data Analysis using ETL (Extract, Transform, Load)** and **ELT (Extract, Load, Transform)** methodologies.
- Collaborated with **Stakeholders** to evaluate **business objectives** and create actionable insights.
- Created **Business Review Reports** for tracking **KPIs**, analyzing trends, and assisting in data-driven decision-making.
- Developed **data visualizations** to communicate key findings and **cybersecurity trends**.

Lecturer in IT Department, Faculty of Engineering and Technology

Parul University (NAAC A++), Vadodara, GUJ

April 2024 – October 2024

- Designed and delivered a comprehensive curriculum covering **core** and **advanced computer science** subjects, including **Data Structures, Algorithms, Machine Learning, Artificial Intelligence**, and **Database Management Systems**.
- Applied **hands-on teaching methodologies**, allowing students to integrate **theoretical knowledge** with practical applications in computer science.

EXTRA CURRICULAR & CERTIFICATIONS

Deloitte Australia Data Analytics Job Simulation on Forage - April 2025

- Completed a **Deloitte job simulation**, focusing on **data analysis** and **forensic technology**.
- Created a **data dashboard** using **Tableau** and used **Excel** for data classification and business analysis

PROJECTS

Developed a Cloud-Based Data Analytics Solution

- Developed a **cloud-based data analytics solution** for **cybersecurity products (C9Phish, QSafe, C9Pharos)** using **AWS tools** to enhance **security** and **decision-making**.
- Implemented **secure data management** with **Amazon S3, AWS Glue** for **data cleaning**, and **Athena** for **serverless querying**.
- Created **dynamic dashboards** in **Amazon QuickSight** to visualize **KPIs**, including **phishing trends, fraud detection**, and **website analytics**.
- Leveraged **IAM** for **secure access management** and **AWS Glue Data Catalog** for data accuracy and seamless querying.

Skills: AWS (IAM, S3, Glue, Athena, QuickSight) · Cloud Computing · Cybersecurity · Data Engineering · Data Visualization · Business Intelligence (BI) · Cyber Threat Intelligence (CTI)

Data Analysis Using ETL (Extract, Transform, and Load)

- **Data Extraction:** Utilized **Kaggle APIs** to fetch retail datasets.
- **Preprocessing:** Cleaned and transformed raw data using **Pandas** to ensure **quality** and **consistency**.

- **Data Loading:** Imported the processed data into **SQL Server** for further operations.
- **Data Analytics:** Ran **SQL queries** to generate actionable insights for business decision-making.

Skills: Extract-Transform-Load (ETL) · Pandas · Kaggle · Microsoft SQL Server

Data Analysis Using ELT (Extract, Load, and Transform)

- **Data Extraction:** Used **Kaggle API** to download the **Netflix Movies** and **TV Shows** dataset for analysis.
- **Data Loading:** Loaded the raw dataset directly into **SQL Server** using **Python**.
- **Data Transformation:** Performed all data cleaning and modeling in **SQL**, including:
 - Handling **foreign characters**
 - Removing **duplicates**
 - **Data type conversions**
 - Populating **missing values**
 - Creating a **country dimension table**
- **Data Analytics:** Queried transformed data in **SQL** to uncover content trends and platform insights.

Skills: Extract-Load-Transform (ELT) · Kaggle · Microsoft SQL Server · Pandas

Creating a Business Review Report

- Developed **weekly, monthly, quarterly, and yearly Business Review Reports**.
- Implemented and maintained **metrics** to track and analyze **trends** effectively.
- Facilitated communication with product and technical teams, translating insights into actionable strategies.

Data Visualization

- Translated business requirements into actionable **dashboards** and **reports** using **Amazon QuickSight, Tableau, and Power BI**.
- Created comprehensive metrics to track **KPIs** and automated reporting to streamline operations.
- Continuously improved established metrics for better insights.

Skills: Microsoft Power BI · QuickSight · Tableau

CPU Scheduling Algorithm Visualizer

- Developed an interactive **CPU Scheduling Algorithm Visualizer** to simulate and analyze scheduling techniques.
- Implemented **First Come First Serve (FCFS), Shortest Job First (SJF), Priority Scheduling, and Round Robin algorithms**.
- Enabled users to experiment with different scheduling scenarios for hands-on understanding.

Skills: HTML · CSS · JavaScript

Detection and Diagnosis of Plant Diseases Using Deep Learning

- Developed a **Plant Disease Detection** project using the **PlantVillage dataset** from **Kaggle** to identify diseases in crops like **tomato, potato, grape, and apple**.
- Implemented a **CNN model** using **TensorFlow/Keras**, with data augmentation (rescaling, rotation, zoom).
- Achieved approximately **99% training accuracy** and **97-98% testing accuracy**.
- The model demonstrates high generalization to new data.

Skills: Convolutional Neural Networks (CNN) · Keras · Scikit-Learn · Matplotlib · Seaborn · Pandas

EDUCATION

B.Tech – Computer Science & Engineering

Chameli Devi Group of Institutions, Indore, MP | 2019 – 2023 | CGPA: 8.06

Higher Secondary Education (Class 12th)

Chameli Devi Public School, Indore, MP | 2017 – 2018 | Percentage: 64.00%

Secondary School Education (Class 10th)

Chameli Devi Public School, Indore, MP | 2016 – 2017 | CGPA: 7.60