Duren Gouda

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EDUCATION

Dalhousie University   Halifax, NS
Bachelor of Computer Science [Co-op], CGPA: 3.78   *Sep. 2023 – Apr. 2027*

EXPERIENCE

Computer Science Mentor   Aug. 2024 - Present
Together@Dal, Dalhousie University   *Halifax, NS*
- Mentored **20** first-year students, offering resources and guidance to ease their transition and boost retention.
- Organized **community-building** events to enhance **student engagement** and **inclusivity**.
- Strengthened **collaboration** within the Dalhousie Community through **mentorship** and **event planning**.

Data Analyst Intern   Apr. 2024 – Aug. 2024
Odyssey Motors Pvt. Ltd., Maruti Suzuki   *Sambalpur, India*
- Optimized operations by analyzing service records, customer feedback, and repair logs using **advanced Excel** techniques, including **Pivot Tables**, **VLOOKUP**, and **conditional formatting**, to identify trends.
- Designed dynamic **Excel** and **Tableau** dashboards using **DAX** formulas to visualize **KPIs** and service trends.
- Automated data workflows with **Excel macros**, reducing manual effort by **30%**.
- Conducted statistical forecasting to predict demand and cut turnaround time by **15%**.
- Partnered with cross-functional teams to develop inventory models and deliver insights to senior management.

PROJECTS

SysGuard - System Health Monitor | *Python(psutil, smtplib, Matplotlib), Oracle SQL, Git* (GitHub)
- Developed a real-time system monitoring tool using **Python** and **psutil** to track CPU, memory, and disk usage.
- Integrated **Oracle SQL** to store and manage historical system performance data for trend analysis.
- Created alert system with **Matplotlib** and **smtplib** to notify users of resource overuse and display usage trends.

Personal Portfolio Website | *HTML, CSS, JavaScript, Git* (GitHub) (Portfolio)
- Built and deployed a responsive portfolio website using **HTML**, **CSS**, and **JavaScript** to showcase skills.
- Optimized for performance, ensuring fast loading and multi-device compatibility.
- Published using **GitHub** and **Netlify** for seamless accessibility and employer outreach.

Retail Orders Analysis | *Python(Pandas, NumPy, Matplotlib), Kaggle API, SQL, Jupyter Notebook* (GitHub)
- Analyzed and visualized retail datasets using **Python** libraries (**Pandas**, **NumPy**, **Matplotlib**) and **SQL**.
- Automated data retrieval and updates with **Kaggle API**, streamlining workflows for high efficiency.
- Cleaned and processed data using **SQL queries**, ensuring consistency for accurate analysis.

Road Accident Dashboard | *Tableau* (GitHub) (Tableau Dashboard)
- Designed an interactive **Tableau dashboard** with **KPIs** and dynamic maps to analyze UK road accidents.
- Enhanced geospatial analysis by **25%** through hotspot identification and visualization.
- Incorporated filters for detailed insights and **data-driven decision-making**.

CERTIFICATES

Data Analytics with Python Certification | ShiftKey Labs Academy Up (Certificate)
SQL Foundations | ShiftKey Labs Academy Up (Ongoing)
Cloud Foundations | ShiftKey Labs Academy Up (Ongoing)

TECHNICAL SKILLS

Languages: Python (Pandas, NumPy, Matplotlib), Java, JavaScript, HTML, CSS, Git, SQL
BI & Visualization Tools: Tableau, Advanced Excel (Pivot Table, VLOOKUP, Conditional Formatting)
Developer Tools & Cloud: GitHub, Google Collab, Jupyter Notebook, Visual Studio, IntelliJ, Eclipse
MS Office (365): Word, Excel, PowerPoint, Outlook, Teams, SharePoint, Visio
Interpersonal Skills: Critical Thinking, Problem-Solving, Agile, Data Driven, Communication, Team Collaboration