

# SENTHURAN S

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Portfolio: [https://senthuran-s.github.io/Senthuran\\_S\\_Portfolio/](https://senthuran-s.github.io/Senthuran_S_Portfolio/)

## SUMMARY

Analytical and detail-oriented **Data Analyst** with 4 years of experience in data processing, reporting, workflow automation, and insights generation. Skilled in **SQL, Power BI, Python, Tableau, and Excel**, with strong hands-on experience analyzing large datasets and building dashboards that support engineering, business, and operational decisions. Proven ability to improve reporting accuracy, automate manual processes, and collaborate with cross-functional teams to deliver data-driven outcomes.

## PROJECTS

### Layoff Data Analysis (MySQL)

- Cleaned and analysed more than 3000 records to identify industry-wise layoff patterns.
- Derived insights on trends based on company size, location, and year.
- Optimised SQL queries, improving data extraction speed by **25%**.

### Bike Sales Dashboard (Excel)

- Analysed 5,000+ sales entries using pivot tables and Excel formulas.
- Built a dashboard showing customer demographics, regional sales, and purchasing patterns; reduced reporting time by **30%**.

### Survey Data Dashboard (Power BI)

- Analysed responses from 200+ data aspirants.
- Built interactive dashboards displaying demographics, learning pathways, upskilling trends, and career progress.

### Airbnb Listings Dashboard (Tableau)

- Visualised 50,000+ listings to uncover pricing, occupancy, and property type trends across regions.
- Created interactive dashboards with filters for location, rating, and property category.

### File Automation Script (Python)

- Automated folder/file sorting using Python, reducing manual effort by **80%** in repetitive tasks.

## WORK EXPERIENCE

### Tata Consultancy Services (TCS), Bangalore

#### System Engineer (Data & Reporting Focus) | 2021 – Present

- Analysed large datasets of aircraft structural test results using Excel, SQL-based tools, and automated templates, improving the accuracy of compliance and performance reports by **15%**.
- Built automated Excel models and macros to streamline engineering documentation workflows, reducing manual reporting time by **30%**.
- Designed structured data validation processes that reduced review cycle time by **20%** and improved data reliability.
- Collaborated with engineering, quality, and customer teams to present insights, prepare audit-ready reports, and resolve data discrepancies.

### Cheers Interactive Pvt. Ltd., Mumbai

#### Intern – Analyst | 2021

- Conducted market research and competitive analysis on 50+ emerging products, identifying pricing and availability trends.
- Created Excel-based performance tracking models, improving reporting efficiency by **25%**.
- Generated insights for product gap analysis, supporting strategic decision-making for clients.

## TECHNICAL SKILLS

**Data Analysis & Visualisation:** Power BI, Tableau, Excel

**Programming:** Python (Pandas, NumPy)

**Analytics:** Data Cleaning, Statistical Analysis, Google Analytics

**Databases:** MySQL

**Tools:** Power Query, DAX, GitHub, Jupyter Notebook

**Other:** Workflow Automation, Documentation Optimization

## CERTIFICATIONS

- Google Data Science Foundation
- Google Analytics Certification
- Data Analyst Certification (Udemy) – Data Cleaning, Statistical Analysis, Visualisation
- MS Excel – Great Learning
- Soft Skills Training – Infosys

## EDUCATION

### B.E. Mechanical Engineering

Saranathan College of Engineering, Trichy

(2016–2020)

CGPA: **8.032 / 10**