

# HARSHAAVARDHAN S

## DevOps Engineer

5/1/6J, Church St, Chinnalapatti, Dindigul-624301 | Phone: 6369291823 | Email: harshajays.11@gmail.com |  
LinkedIn: [www.linkedin.com/in/harshaa-hv](https://www.linkedin.com/in/harshaa-hv) | GitHub Id: <https://github.com/HarshaVardhan1111>

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## Summary

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Operations with 2.5 years of experience at Comcast. Completed Python automation projects with hands-on experience in cross-browser compatibility and Git/GitHub workflows. Strong analytical background in data analysis, performance monitoring, and process optimization, complemented by technical skills in Python, SQL, REST APIs, Linux, and Docker. Seeking to apply an engineering mindset to development.

## Professional Experience

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### Operations Analyst

**Comcast India Engineering Center (CIEC), Chennai** | Mar 2023 – Present

- Analyzed large datasets, ensuring accurate Ad scheduling/delivery, improving on-time metrics.
- Developed/implemented data validation processes, significantly reducing placement errors.
- Collaborated cross-functionally (Sales, Eng., Client Services), aligning data insights with campaign goals, enhancing client satisfaction.
- Generated reports with actionable insights supporting data-driven decisions for scheduling/client success.

## Technical Skills

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**Operations & Analysis:** Data Analysis, Data Validation, Performance Monitoring, Reporting.

**Programming/Scripting:** Python, Linux Command Line

**Database:** SQL, PostgreSQL

**API & Integration:** Rest API

**Version Control:** Git, GitHub.

**Containerization & Monitoring:** Docker, Grafana

## Projects

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### Server Health Monitoring & Automation Platform:

Built a real-world DevOps project using Python (FastAPI), PostgreSQL, Docker, Kubernetes(Basic), Prometheus, and Grafana. The platform exposes REST APIs to log system jobs, stores logs in PostgreSQL, and provides real-time system monitoring via Prometheus + Grafana dashboards. Designed for observability, automation, and production-like deployment using Docker and Minikube. Demonstrates strong understanding of modern DevOps workflows, containerization, API integration, and infrastructure monitoring.

**GitHub Repo:** <https://github.com/HarshaVardhan1111/Server-Health-Monitoring-Automation-Platform.git>

## Python Excel Stats Automation Script:

Developed an automated Python script using openpyxl to streamline the reconciliation and transfer of employee performance data across multiple Excel workbooks and sheets. Integrated robust data cleaning and normalization for employee IDs, automated row and column mapping based on business rules, and ensured accurate format retention (including numbers and percentages). This solution significantly reduced manual processing time, improved data accuracy, and enhanced monthly performance reporting for multiple business units.

## Achievements

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Pinnacle Award, Comcast: Received for significant contributions to the Python Stats Automation project, enhancing operational efficiency.

High Champ Award, Comcast India: Recognized for outstanding performance & contributions to operational efficiency, improving productivity & client satisfaction.

Process Improvement Initiatives: Led/contributed to initiatives reducing operational errors by 100% & streamlining workflows, enhancing efficiency.

## Education

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**B.E. Mechanical** - PSNA College of Engineering & Technology (2018-2022) - CGPA: 7.87

**HSC** - Devangar Higher Secondary School (2018) - 70.1%

**SSLC** - Devangar Higher Secondary School (2016) - 87%

## Certifications

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Linux Command Lines - LinkedIn Learning

Docker and Kubernetes – The Complete Guide - Udemy

REST APIs with Flask and Python in 2025 - Udemy

## Languages

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English (Fluent), Tamil (Native), Kannada (Basic)