

Chiluru Santhosh Kumar Raju

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PROFESSIONAL SUMMARY

Systems Engineer with 2+ years of experience at Tata Consultancy Services (TCS), specializing in data analysis, migration, and cloud technologies. Proficient in Oracle SQL, PL/SQL, AWS, Apache Airflow, and Python (OpenPyxl). Expertise in optimizing data workflows, validating and transforming data, and automating processes. Experienced in managing Apache Airflow DAGs, performing root-cause analysis, and troubleshooting issues. Strong background in Oracle Advanced Pricing, Excel (Pivot, VLOOKUP), and ensuring seamless data integration between systems. Developed and deployed 3 Django full-stack web applications, enhancing skills in web development and backend technologies.

TECHNICAL SKILLS

- **Programming Languages:** Python, JavaScript
- **Frameworks & Tools:** Django, Apache Airflow, Databricks SQL, Bootstrap, Git, GitHub, VS Code
- **Data Analysis & Visualization:** Power BI, Excel (VLOOKUP, Pivot Tables), Python (OpenPyxl), Pandas, NumPy
- **Databases & Cloud Technologies:** Oracle SQL, Oracle PL/SQL, Oracle Pricelist and Modifiers, AWS
- **UI/UX Design & Other Skills:** UI/UX Design Basics, DSA Basics (Data Structures and Algorithms)
- **Operating Systems:** Windows 11, macOS

WORK EXPERIENCE

- **Tata Consultancy Services (TCS)** Kolkata, India
Systems Engineer *Nov 2022 - Present*
First Project (Dec 2022 - Mar 2024):

- **Automated pricelist and modifiers workbook for 80 countries:** Using Python (OpenPyXL), reduced processing time from 40 minutes to 1 minute and eliminated manual repetition.
- **Ensured data accuracy:** Cross-checked Excel workbooks with raw data using VLOOKUP and OpenPyXL, achieving 100% accuracy and seamless integration with Oracle DB and EBS.
- **Resolved pricing discrepancies:** Identified and fixed duplicate or inconsistent pricing for items, ensuring alignment with the business and eliminating validation errors.

Second Project (Apr 2024 - Present):

- **Streamlined file transfer processes:** Managed file transfer from FileZilla to Oracle DB and AWS using manual and automated catch-up processes tailored to failure stages in the Oracle production DB, ensuring complete and timely delivery.
- **Automated health checks:** Automated daily, weekly, and monthly health checks for Oracle PL/SQL procedures, reducing reporting time from 40 minutes to 5 minutes using SQL UNION and Excel VLOOKUP.
- **Monitored file and DAG statuses:** Monitored daily file and DAG statuses in Airflow, restarting failed or long-running tasks to ensure smooth operations in AWS and DB environments.

EDUCATION

- **KMM Institute of Technology and Science (Affiliated to the JNTUA)** Tirupati, India
Bachelor of Technology (B.Tech), Computer Science & Engineering *2018 - 2022*
- **CGPA:** 7.92

PROJECTS

Skills : Full-Stack Developer — Django, HTML, CSS, JS, Bootstrap, SQLite — Python, Git, GitHub, VS Code, CodePen

- **Reflection Archive:** Developed a personal development web app to track and reflect on life goals, achievements, habits, milestones, travel experiences, to-dos, and memories. [Link](#)
- **Student Learn Daily:** Developed a web app for managing homework, assignments, goals, and collaboration, featuring daily, monthly, and yearly progress tracking, including educational games. [Link](#)
- **Village Trolley:** Created a web app for managing items, billing, and tracking profits/losses with analytics, search functionality, language support, and nearby store recommendations. [Link](#)

CERTIFICATES & TRAINING

- **Completed 25+ Udemy Courses:** (170+ hours) in Programming, Frameworks, Data Analysis, Databases, and UI/UX, maximizing free time to enhance skills.
- **Completed Certifications:** SQL (Basic & Advanced), Python (HackerRank), and UiPath RPA certifications, enhancing expertise through practical exercises and projects.

AWARDS & ACHIEVEMENTS

- **On the Spot Award** - Awarded twice for outstanding contributions and performance at TCS. Recognized by TCS for dedication, excellence, and being an inspiring role model to colleagues.
- **Elewate Wings Program & Xcelerate Warrior**