

Ravi Theja Kataray

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WORK EXPERIENCE

Test Automation Developer

Jan 2023 - Oct 2023

- **Company:** HaleYTEK (Provides Android-based infotainment systems to automotive companies like Volvo, Polestar) through Nexer Tech Talent.
- Developing and incorporating features into the cmdline testing tool based on the requirements provided by Android developers.
- Collecting logs, and data from Android and Qnx, analyzing the logs and presenting the findings in a meaningful manner.
- Adding features to improve on google certification test(xTS) runs.
- Flashing the rigs with latest versions, configuring the tool to execute tests, parse the results in a continuous and automated manner, and subsequently uploading the results and artifacts into the database and artifact repository.
- Adding features to improve on google certification test(xTS) runs.
- Configuring and Setting up rigs for testing.
- Tools and Technologies: Python, Pytest, Airflow, xTS, Android, Qnx, Docker, Tradedef.

CI/CD Developer

Sep 2022 - Dec 2022

- **Company:** HaleYTEK (through Nexer Tech Talent).
- Developing pipelines to run tests in an automated yet scheduled fashion, collecting the results and displaying them on the website.
- Developing pipelines to store artefacts generated when running tests in the artefact repository.
- Developing dashboards to summarize test results.
- Adding test cases to already existing features.
- Tools and Technologies: Python, Pytest, Airflow, Grafana, Docker, Kubernetes, React, Django, PostgreSQL.

PROJECTS

Automated Trading Bot

[Link](#)

- Calculate ATM, OTM, ITM strikes at supplied time and take positions based on Indicators. Various metrics like PNL, brokerage, Indicator data, Number of entries and LTP were updated live on the dashboard. Multiprocessing was used to reduce latency.
- Deployed on a Kubernetes cluster.
- Tools and Technologies: Python, Docker, Kubernetes, Javascript, Flask, PostgreSQL, HTML, CSS.

Faulty Sensor Detection

[Link](#)

- Performed Schema validation mentioned as per the DSA(Data Signature Agreement), Data Cleaning, Data Transformation, and best-performing model was selected based on AUC score and deployed on AWS.
- Tools and Technologies: Python, Supervised and unsupervised algorithms.

EDUCATION

2020 - 2022	Master's in Software Engineering from Blekinge Tekniska Högskola	(GPA: 8.15/10)
2016 - 2019	Bachelor's in Computer Science from Jawaharlal Nehru Technological University	(GPA: 8.3/10)

SKILLS

Programming Language: Python, SQL, Java, C

Web Technologies: HTML, CSS, JavaScript, React

Database: PostgreSQL

Backend: Flask, Django, Java servlets, JSP

CI/CD: Docker, Git, Jenkins, Airflow, Terraform, Kubernetes, Github, Gerrit

Cloud Computing: AWS

Data Science: Machine Learning(Regression, Supervised and unsupervised algorithms), Deep Learning(ANN, RNN, CNN)

Operating system: Linux, Windows

Work Framework: Agile, Kanban, Scaled Agile Framework(SAF)