

KRISHNA NIMBALKAR

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github.com/MasterZesty

Education

Pimpri Chinchwad College of Engineering

Aug 2018 - Jun 2022

Bachelor of Engineering in Electronics and Telecommunications (CGPA of 9.71)

Pune, India

Experience

Schlumberger

Aug 2022 - Present

Associate Software Engineer

Pune, India

- Implemented a Python-based solution utilizing the python requests module to extract data from an internal data source using APIs. Processed the data using pandas data frame and loaded it into GCP BigQuery. Deployed the codebase on Google Cloud Functions and scheduled it via Google Cloud Scheduler for regular data loading, facilitating seamless integration with SAC (SAP Analytics Cloud) and supporting other designated purposes.
- Developed GCP BigQuery SQL scripts for ETL (Extract, Transform, Load), leveraging various data sources and meeting specific business requirements.
- Developed and maintained Python DAGs for Airflow / Google Cloud Composer, leveraging its powerful orchestration capabilities to schedule and execute SQL scripts for seamless data extraction, transformation, and analysis, ensuring reliable and timely data processing.
- Implemented automated code analysis and open source security management by integrating SonarQube and WhiteSource into the CI/CD pipeline, ensuring early detection and resolution of code quality issues and vulnerabilities.
- Improved code quality, maintainability, and collaboration by enforcing coding standards and best practices using SonarQube, while WhiteSource identified and mitigated open source vulnerabilities, enhancing project security and compliance.

Projects

Data Monitoring and Acquisition System For All Terrain Vehicle | Python, MySQL | [Github](#)

Jun 2021

- Implemented a wireless data acquisition system with efficient data logging and real-time monitoring of sensor data **reducing the test and validation time of vehicle by 30%**.
- Tech Stack Used: Linux Based Raspberry Pi, Arduino, Google APIs, Python, MySQL

Drone For Disaster Rescue Management | Python, Firebase, DroneKit-Python, OpenCV | [Github](#)

Jan 2021

- Using drone, the system is capable of sending the real time location of the people in flood affected area to rescue system using image processing and GPS system.
- Automated** the entire process of human lives detection for **rescue operation** providing a more efficient solution for disaster management.

Profile Links

- [Leetcode](#)
- [GeeksforGeeks](#)
- [Github](#)

Technical Skills

Languages: Python, SQL, Java

Technologies/Frameworks/Libraries: Google Cloud Platform, BigQuery, Cloud Composer/Airflow, Google Cloud Functions, Google Cloud Scheduler

Tools: Git, VS Code, Azure DevOps

Databases: MySQL, MongoDB

Other: Data Structures and Algorithms

Certifications: Google Cloud Certified Associate Cloud Engineer, Google Cloud Certified Professional Data Engineer

Achievements

- Awarded the 2022 best outgoing student award for outstanding performance in academics, co-curricular and extra curricular.
- Winner of innovative project competition at university level.
- Reginal finalist in national level innovation challenge organized by IIT bombay e-yantra, among top 18 teams from 300+ teams from all over the India.

Extracurricular

- Team lead for e-yantra innovation challenge project competition 2020-21.
- President of institution of electronics and telecommunication engineers (IETE) student's forum 2021-22.
- Member of team red baron PCCOE motorsports club 2020-22.