

Arunakiri Venkatachalam

Experienced Data Scientist | Bangalore | +91 741 890 8007 | arunakiri.v@gmail.com

Profile

Data Scientist with 7+ years of experience in building data pipelines, deploying scalable analytics solutions, and developing user friendly applications.

Experience

EXPERIENCED DATA SCIENTIST

VOLVO | OCTOBER 2023 – PRESENT

- Contributed to Volvo's global MATLAB-to-Python initiative by identifying compatible projects and training global teams, reducing MATLAB reliance by 30%.
- Developed end-to-end data solutions for H2 test fleet and rigs data at Data Science Lab (DSL), building Apache Airflow ETL pipelines to ingest data into an S3 data lake and transform it into large-scale analytical datasets.
- Deployed Kubernetes-based applications using Streamlit and Plotly Dash to serve S3 data, delivering scalable solutions for 200+ users.
- Designed a user management portal for DSL administrators using Django to streamline resource allocation tasks and maintain user compliance.

LEAD ANALYST

HCL | OCTOBER 2021 – OCTOBER 2023

- Worked as a consultant at Volvo for 2 years.

SENIOR SYSTEM ENGINEER

INFOSYS | APRIL 2018 – OCTOBER 2021

- Python developer, consulting for Novartis Pharma developing image scanning modules to extract data from the Product Information Leaflets (PILs) with 80 percent accuracy and deliver the scanned results as tabular excel reports to facilitate product labeling workflow.
- Established a comprehensive digital datastore using PostgreSQL and developed Power BI dashboards (PIL Boards) for data visualization and analysis.

Education

B.E. IN ELECTRONIC AND COMMUNICATION

2016 | CEG ANNA UNIVERSITY, CHENNAI

M.TECH IN DATA SCIENCE ENGINEERING

2022 | BITS PILANI, HYDERABAD

Technical Skills

- Python, Django, Rest API & OAUTH
- GIT, Docker, Kubernetes
- Shell, Spark, Iceberg
- PostgreSQL, MySQL, Power BI, Grafana
- Machine Learning, Artificial Intelligence
- CICD, DevOps

Activities and Interests

Travel, Theater and Gaming