

Shreyas Vijaykumar Sakri

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EDUCATION








Walchand College of Engineering

B.Tech. in Information Technology
CGPA - 8.02/10

July 2019 - June 2023

Sangli, India

SKILLS

 **Languages** C++ | Python | Go | Scala | Java | SQL
 **Data** ApacheSpark(PySpark) | Parquet | ApacheKafka | MySQL | MongoDB | Neo4J
 **AWS Cloud** **Analytics** : Athena | QuickSight | Glue | Lake Formation
Application Integration : Step Function | EventBridge | SNS | SQS
Compute : Lambda (Serverless)
Storage : S3 | AWS Backup
Migration & Transfer : DataSync
Security, Identity & Compliance : IAM | KMS | Certificate Manager | Secret Manager
Management and governance : CloudFormation | CloudTrail | CloudWatch
Developer Tools : CloudShell
 **Snowflake** Tasks | Stored Procedures (Python & SQL) | Storage & Notification Integration
 **CI/CD** Docker | GithubWorkflow | GithubActions | AWSCDK(InfrastructureAsCode)
 **Machine Learning** Pandas | Numpy | Matplotlib | Pytorch | ScikitLearn | LangChain
 **Visualization Tool** PowerBI | Streamlit

EXPERIENCE

Principal Global Services

Jul 2023 - Present

DataEngineer

Pune, India

- Designed and led creation of **ETL** pipelines on AWS, improving data product updates and query latency by **20%**.
- Automated AWS infrastructure with **CloudFormation (Python CDK)**, cutting deployment time by **70%**.
- Implemented data cleaning jobs with **AWS Glue PySpark**, reducing query time by **30%**.
- Developed **Stored Procedures** in **Snowflake** for Data Load & CRUD operations
- Built **Infrastructure** of Data Product including **Task Orchestration, Storage & Notification Integrations** within **Snowflake**.
- Built dashboards with **Snowflake Dashboard** for monitoring **Performance Metrics** within Snowflake
- Spearheaded secure **Data Backup & Restore** using **AWS Backup, AWS KMS** and Alternative approach with **AWS DataSync**
- Engineered **CI/CD** pipelines with **GitHub Workflow and Actions**, reducing deployment errors by **50%**.
- Managed a team of 10 as **SCRUM Master**, improving sprint story points completion by **20%**.

Principal Global Services

Jan 2023 - May 2023

Intern

Pune, India

- Participated in **AWS DeepRacer & AWS GameDay** Events
- Visualized a **PowerBI** dashboard with **KPIs** for enhanced data visualization, decreasing analysis time by **40%**.

Persistent Systems

June 2022 - Dec 2022

Intern (Martian Internship Program)

Pune, India

- Learnt core fundamentals of computer science along with expert guidance
- It was a hiring program by persistent system including course work followed by aptitude + coding tests

PROJECTS

Realtime Voting System

PostgreSQL, Kafka, and Spark

- Developed a real-time online voting system using PostgreSQL, Kafka, and Spark for **secure and instant vote processing**.
- Designed a user-friendly Streamlit dashboard for **real-time election monitoring and data visualization**.
- Ensured system integrity with **robust error handling, real-time updates, and scalable architecture**

Realtime Algorithmic Trading with Apache Flink

Python, Kafka, Apache Flink, and Red Panda

- Built a **real-time algorithmic trading pipeline** using Python, Kafka, Apache Flink, and Red Panda for market data processing.
- Developed **sentiment analysis with NLTK** to evaluate market news and automate trade execution.
- Implemented five trading strategies with **real-time decision-making and risk management integration**.