

MUSKAN

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Technical Skills

Languages: Python, PostgreSQL

Technologies: AWS, Docker, Kubernetes, Pyspark, Hadoop, Hive, Data Synchronization, ETL, IoT, InfluxDb

Developer Tools: VS Code, Spyder, AWS, ADF, Airflow, Grafana

Education

Chandigarh Group of College

June 2017 – July 2021

Bachelor of Technology in Information Technology

Mohali, Punjab

Experience

Mareana Software India Pvt. Ltd

June 2021 – Present

Senior Software Engineer

Bangalore, Karnataka

- Spearheaded the "Admin" module in the "Manufacturing Intelligence" product, streamlining user experience with intuitive scheduling and pipeline creation capabilities.
- Revolutionized ETL pipeline efficiency, reducing processing time from 5 hours to 5 minutes through innovative data transformation techniques, significantly accelerating data write speeds into RDS.
- Played a pivotal role in developing a cutting-edge digital analytics platform for the largest pharmaceutical company, seamlessly integrating R&D, Procurement, and Finance functions.
- Directed the deployment of Cost Simulation features across all facets of the digital analytics platform, encompassing user interface, analytics services, data management, and technology infrastructure.
- Expertly processed over 15,000 unstructured documents using advanced methods like Tika, Beautiful-Soup, Camelot, and Tabula, enhancing productivity with Azure cognitive services including form recognizer and image language detector.
- Independently engineered and executed data pipelines utilizing Apache Airflow and Azure Data Factory (ADF) for a key corporate product.
- Actively mentored interns, fostering their professional growth through project assistance, insights into corporate culture, and prompt resolution of queries.
- Honored with the prestigious Pinnacle Award on two occasions in recognition of exceptional professional contributions.
- Conducted in-depth research on emerging technologies and vendor solutions to stay aligned with evolving market trends.

Internet of Stars (Virtual Coding School)

April 2020 – June 2021

Entrepreneur, Sole Proprietor

Remote

- Initiated online in-person coding school amid Covid-19 pandemic to help the community by delivering my knowledge online.
- Enrolled 60 middle and elementary school students within 3 batches from multiple countries in a three month long online course.
- Training 15 students from the previous batch for the next level certification.
- Earned acknowledgment of 60 smiling faces & revenue of \$15,000 in 3 months.
- Devised a one week free Python training workshop to attract students to enroll in the above-mentioned course which witnessed 150+ participants.

Position of Responsibility

- Lead the administrative module in the primary product, responsible for managing notifications, pipelining configurations, and various administrative tasks.
- Guided new hires in understanding and adhering to coding standards practices.
- Assisted in several projects to ensure timely completion of Proof of Concept (POC) deadlines and conducted demonstrations of the projects to clients.
- Restructured and executed the strategy to take the complete process online for real-time delivery of results.

Patent

Autopence (Automatic Medicine Dispenser); Patent ID: 202211045347

- Contributed significantly to Autopence, a leader in automatic dispensers.
- Key developer of GoPill, an advanced automatic pill dispenser.
- Enabled multi-patient service capability in hospitals and public areas.
- Launched India's first pill dispenser in hospitals and public spaces.
- Revolutionized medication management.
- Secured a patent for GoPill; patent approved on April 24th, 2020.

Side Projects

- Disney Chat Bot (ML)
- Face Mask Detector (AI)
- Stock Market Predictor (ML,ARIMA model)
- NASA Space Apps Challenge (Web Dev)
- Smart Ambulance (IoT)
- Smart home Application (IoT)