

VISHAL SHARMA

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EDUCATION

PG DIPLOMA MACHINE LEARNING & AI , IIIT BANGALORE	MAR 2020 – MAR 2021
B.E (HONS) ELECTRICAL AND ELECTRONICS , BITS PILANI	AUG 2014 – JULY 2018
Projects: <ul style="list-style-type: none">• Development of search engine for document retrieval using cosine similarity (Python).• Development of movie recommender web application. (JavaScript)	
Position of Responsibilities: <ul style="list-style-type: none">• Chairperson of IEEE Student Branch, Bits Hyderabad Chapter• Member of Web Development Team, Electrical and Electronics Association	AUG 2016 – JUNE 2017 AUG 2015 – JUNE 2016
CLASS 12 , DAV PUBLIC SCHOOL PERCENTAGE - 90.2	JULY 2013 -MAY 2014

EXPERIENCE

DATA ENGINEER , CORE COMPETE	JULY 2018- PRESENT
<ul style="list-style-type: none">• Experienced in building and implementing Business intelligence solutions.• Experienced in building industry standards compliant ETL pipelines.• Hands on experience on cloud platforms like Amazon web services and Google cloud platform.• Strong programming experience in python and SQL.• Worked in multiple domains like Ecommerce, Global broadcasting service, Retail marketing.	
SOFTWARE DEVELOPMENT INTERN , REFLEXIS SYSTEMS	JAN-2018 - JUNE 2018
<ul style="list-style-type: none">• Introduction with product development nuances.• Hands on experience with JavaScript and Angular 5 on frontend.• Experienced in backend serviced development using HTTP Rest API calls.• Hands on with D3.js (visualization library on JavaScript) for interface creation.	

PROJECTS

DATA ANALYST , ELECTRONICS RETAILER CUSTOMER FEEDBACK SENTIMENT ANALYSIS	OCT 2020- JAN 2021
<ul style="list-style-type: none">• Designed and developed serverless data mining pipeline on GCP using Cloud Functions.• Developed spark like Driver- Worker architecture to process data within 5 minutes.• Used google cloud natural language API to perform entity sentiment analysis on user reviews.• Created dashboard on data studio for monitoring.	

DATA ENGINEER, AUTO PARTS RETAIL CHAIN
FILE AUDIT SYSTEM CREATION, REVAMP

DEC 2019- JUNE 2020

After acquiring another auto parts retail chain, the client felt the need to have a robust file audit system to control the behavior of this humongous pipeline.

- Created a new audit pipeline in python and integrated with old system.
- Created notification system to report overdue files and unexpected errors in pipeline.
- Created Spark SQL scripts to collect and aggregate data for demand forecast reporting layer.

DATA ENGINEER, ECOMMERCE SALES MANAGEMENT
DATA SCRAPING AND WAREHOUSE CREATION

JULY 2020 – SEPT 2020

A third party approached us to create dashboard for monitoring ecommerce sales of different platforms for one of its clients.

- Created scraping scripts in Python using selenium.
- Created mechanisms for x-path config and auto re-login.

DATA ENGINEER, LEADING BROADCASTING SERVICE
USER RATING DATA WAREHOUSE CREATION

APR 2019 -JULY 2019

As a part of cloud data modernization initiative, Core Compete developed a deployment package for client's Enterprise Data Management team to capture viewership data from 3rd party data sources into the client's production cloud environment.

- Implemented serverless ETL pipeline on Google cloud which complies to stringent SLA of 5 minutes.
- Used Pub-Sub, Cloud Functions, Big Query for messaging, processing and data warehousing respectively
- Created audit system for keeping file delivery records using google cloud datastore (NoSQL database service)
- Implemented tweaked version of real time ETL pipeline for historical data load in data warehouse which helps in reducing historical load cost by 50%

SOFTWARE DEVELOPMENT INTERN, REFLEXIS SYSTEMS

JAN 2018 – JUNE 2018

APPLICATION DEVELOPMENT FOR QUICK DEPLOYMENT OF REFLEXIS PRODUCTS

Reflexis systems has multiple real time store management solutions. Process of deployment of these products take 40-45 days which they wanted to reduce by creating a graphical user interface to receive client's customization requirements and then create deployment scripts accordingly.

ACTIVITIES

HACKATHON CHALLENGE

DEC 2018

CONVERSATIONAL AI TO PROVIDE REAL TIME BUSINESS INTELLIGENCE

Switching through dashboards for finding a metric might not be a good idea when we are already at the dawn of enterprise level voice solutions.

- Created voice based natural language platform for getting insights from data using GCP services.
- Used Google's Dialogflow to convert speech into text and then text into intents.
- Created real-time serverless pipeline using Cloud Pub-Sub and Cloud Functions in Google Cloud.
- Used BiqQuery for batch processing of data and Datastore for fast retrieval on voice query.

CERTIFICATIONS

GOOGLE CLOUD CERTIFIED PROFESSIONAL DATA ENGINEER

[VERIFY CREDENTIALS]

PCAP – CERTIFIED ASSOCIATE IN PYTHON PROGRAMMING

[VERIFY CREDENTIALS]

GOOGLE CLOUD CERTIFIED ASSOCIATE CLOUD ENGINEER

[VERIFY CREDENTIALS]

**AWS CERTIFIED DEVELOPER ASSOCIATE
VALIDATION NUMBER: QLG0V581KME1Q9GS**

[VERIFY CREDENTIALS]