

# VISHAL SHARMA

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[Linkedin](#)  
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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:
- Development of search engine for document retrieval using cosine similarity (Python).
  - Development of movie recommender web application. (JavaScript)
- Position of Responsibilities:
- Chairperson of IEEE Student Branch, Bits Hyderabad Chapter **AUG 2016 – JUNE 2017**
  - Member of Web Development Team, Electrical and Electronics Association **AUG 2015 – JUNE 2016**
- CLASS 12**, DAV PUBLIC SCHOOL **JULY 2013 -MAY 2014**  
PERCENTAGE - 90.2

## EXPERIENCE

- DATA ENGINEER**, CORE COMPETE **JULY 2018- PRESENT**
- 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**
- 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 **OCT 2020- JAN 2021**  
**CUSTOMER FEEDBACK SENTIMENT ANALYSIS**
- 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]**