

# Hamdan Iftikhar

DATA ANALYST

🏠 27, Green Valley, Bhopal, IN  
📞 Mobile: +91-9800-454-222  
✉ hamdan.iitkgp@gmail.com  
🌐 Portfolio: [thatanalyst.net](https://thatanalyst.net)  
🌐 LinkedIn: [hamdan-ai](https://www.linkedin.com/in/hamdan-ai)  
🐙 Github: [hamdan-ai](https://github.com/hamdan-ai)

A Facebook and Google-Certified Data Analyst, excelling in the ability to find trends, uncover insights and drive informed-decision making. A team player combining expertise of a programmer with the creativity of a designer. Delivering key insights, data-driven recommendations & comprehensive solutions that will make a difference.

## SKILLS & EXPERTISE

### Tools

Python  
R  
SQL  
Tableau  
Big Query  
Spreadsheets  
APIs

### Data Analyst Toolkit

Data Analysis  
Data Mining  
Data Wrangling  
Data Visualization  
Data Ethics  
Statistical Analysis  
Machine Learning

### Workflows

Interactive dashboards  
Segmentation Analysis  
Regression & Prediction  
End-to-End data-webapps  
RCT & A/B Testing  
Google Analytics  
Facebook Ads Manager

## PROJECTS

### Segmentation Analysis, @

Tools: Python, Heroku

Designed a k-means clustering algorithm from scratch and deployed it as an interactive widget demonstrating its working on various data-sets.

### Recommender System, @

Tools: Python, Heroku

Built a movie recommendation system and deployed the end-to-end product in Heroku, with calls to 'TMDB' API for posters of recommendations.

### Sales Insights Dashboard, @

Tools: SQL, Tableau

Created an interactive Tableau dashboard demonstrating over 150,000 sales records, with live filtering on location, time, products, customers, & more.

### Device Usage Insights, @

Tools: R, SQL

Analyzed daily activity & sleep of customers of a smart-device company. Derived key-insights and gave recommendations to improve experience and sales.

### YouTube Scraper Tool, @

Tools: Python, Heroku, APIs

Built a scraper for a client to extract affiliate links from the description of a Youtube video, given just the video URL.

## EDUCATION

### Google Data Analytics Professional Certificate

NOV 2021

An eight-course program implementing the Ask-Prepare-Process-Analyze-Share-Act data analysis framework to drive informed decision making using R, SQL, BigQuery, Tableau, and Spreadsheets, applying it all to a hands-on capstone.

### Facebook Marketing Analytics Professional Certificate

FEB 2022

A six-course program implementing the OSEM data analysis framework using Python, SQL, Tableau. Created, analyzed, and optimized campaigns in the Ads Manager using RCT and AB Tests for awareness, engagement, and conversions.

### Integrated Masters of Science, IIT Kharagpur

JUL 2015 - MAY 2020

Secured a rank in the top 0.5% from more than 1.2 Million students and earned the five-year Integrated Bachelors and Masters of Science in Chemistry, as well as numerous CS electives, and bagged a placement-offer during my fourth-year.

## EXPERIENCE

### TCS Innovation Labs, Hyderabad, Genomic Data Science

SEP 2020 - APR 2021

Selected as an intern in India's largest IT firm during May 2019. Demonstrated exceptional work-ethic and contributions to secure a full-time role soon after.

- Single-handedly developed a program for an automated workflow using Python scripts for extraction of information from text headers.
- The program was deployed into production, increasing efficiency by over 20%, and allowed identification of new and hidden subspecies.
- Analyzed huge amounts of genomic data by creating a bag-of-genes model, and used it in PCA to identify marker genes for a certain disease.