Hamdan Iftikhar

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Data Analyst who thrives in the uncertainty that comes with diving deep into huge amounts of data. Ability to find trends, uncover insights, and drive informed decision making, delivered through comprehensive reports and thought-provoking visualizations. A team player who combines creativity with attention to detail, and is always hungry to deliver.

EDUCATION

Google Data Analytics Professional Certificate, Coursera
NOV 2021

Learned the 6-stepped data analysis process - Ask, Prepare, Process, Analyze, Share and Act, in a rigorous 8-course specialization, including a final capstone project.

Comfortable with the entire data analyst toolkit including- R, Python, SQL, Tableau, Spreadsheets, Markdown, as well as learning new and required relevant skills.

Integrated Masters in Chemistry, IIT Kharagpur
JUL 2015 - JUN 2020

Secured a rank in the top 0.5% from among 1.2 Million students to bag a seat in the 5-year Integrated Masters in Chemistry, in one of the nation's top institutes.

Owing to an interest in the field, opted for a number of CS based subjects in addition to my major, and got placed in TCS R&I in my 4th year at the university.

SKILLS

LANGUAGES:	
R	– *Wrangling & Analysis* (tidyverse), *Visualization* (ggplot2), *and more.*
Python	– *Scraping* (BeautifulSoup), *Analysis* (pandas), *Visualization* (matplotlib).
SQL	– *Sort, Filter and Aggregate functions*; *Joins, Unions, and more.*

TOOLS:		SOFT-SKILLS:	
Spreadsheets	– *Google Sheets*	Adaptability	Analytical Mindset
Dashboards	– *Tableau*	Teamwork	Attention to Detail

EXPERIENCE

TCS Innovation Labs, Hyderabad — *Genomic Data Analysis*

INTERN, MAY 2019 - JUNE 2019

Worked directly under Senior Scientist Dr. Naveen Sivadasan, contributing towards development of a proprietary mapping tool for strain level metagenomics.

RESEARCHER, SEP 2020 - APRIL 2021

Owing to an exemplary performance during the internship, received a pre-placement offer (PPO) to join as a full time researcher after graduation.

WORK AND RESPONSIBILITIES AT TCS:

- Developed an automated workflow using Python and Bash-Shell scripts for extraction of Phylogenetic information from headers.
- Performed Principal Component Analysis (PCA) on the gene set to identify differentiating marker genes using the bag-of-genes model.
- Identified optimal hyper-parameters using grid-search, and presented a comprehensive report involving benchmark against the top competitors.
- Delivered detailed presentations on several research papers to a team of more than five Senior Scientists and received exceptional feedback.

PROJECTS

Google Data Analytics Capstone
TAGS: R, Tableau

- Worked as a hypothetical data analyst for Bellabeat, a health-focussed smart products company, to find trends in smart device usage.
- Cleaned and manipulated the data, uncovered insights, and made recommendations to influence marketing strategies, backed by visualizations and a Tableau Dashboard.

IBM Data Analyst Capstone
TAGS: Python, EDA

- Scraped data from websites using both APIs and Python library - BeautifulSoup.
- Wrangled the data and performed Exploratory Data Analysis (EDA) to find key insights in current and future technological trends.

Ongoing Projects:
These projects will be published on the website, as well as on the embedded version of this resume upon completion.

Google Data Analytics Capstone II
TENTATIVE DATE: 8th Dec, 21

COVID Exploratory Data Analysis
TENTATIVE DATE: 10th Dec, 21

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Other projects will include a Movie Recommender System, and translation of completed projects to other languages for a comparative analysis.