

Passionate about data analytics with a Computer Science degree, I excel in analyzing vast datasets to derive actionable insights. Currently seeking opportunities, I am enthusiastic about integrating DevOps practices into data analytics workflows. With a strong foundation in programming, mathematics, and technical problem-solving, I aim to streamline data analysis processes and contribute to a collaborative environment. By embracing DevOps principles, I seek to automate tasks, optimize data pipelines, and enhance the overall efficiency of software development and operations

Education

June 2017 - June 2021

Chandigarh University, Punjab- *Bachelors in Computer Science*

6.11 GPA

Skills

Programming & Languages	Python, SQL, Powershell, YAML, GO(Golang)
Tools	Docker, Kubernetes, Git, Snowflake
Database	MySQL. CIVO, AWS
Soft Skills	Excellent verbal and written communication skills.

Courses

Data Structures Python Docker
Kubernetes

Certifications and Awards

- IBM professional data science certification
- Won best student award for exceptional work in classification of healthcare documents
- Ranked 3th in All India Sankalp competition **for UAV Drone Based Service for Farmers Project** (July 2019)

Work Experience

July 2023- Nov 2023

SGGG Fund Services Inc.

- Managing Broker Integration
- Integrating broker FTP connections and Managing Finances over **SQL**
- Working on APIs ticket and Troubleshooting

Apr 2023 - July 2023

Nureca(Dr Trust) Executive Data Analyst

- Automating All the **Finance** Data coming from **SAP** using Python and Jupyter Notebook
- Writing database Queries to generate Live Data from **SQL** Server
- Visualizing and Analyzing the Automated Data

Feb 2022 -Sep 2022

Straive ESG Business Analyst

- Working on Toxic Air Emissions, GHG Emissions, Water efficiency and ESG Risk Assessment and Framework
- Conducting fieldwork Downloaded subset of their service data into **excel** and plotted **pie charts, bar charts** for demographic breakdown, downtime hours etc.
- Collecting **primary data, compiling, Analyzing existing research**, searching through government records

Internships

March 2021 - June 2021

Solitaire Infosys, Chandigarh - Java Intern

- As a summer intern I Overpowered my Java skills and made several projects including a health **care management system** (prescriptions, doctor notes, equipment orders) using **JAVA** and **MongoDB**.
- Prepared various BI dashboards in **Tableau** for month on month insurance business reports
- Evaluation and analysis of insurance claims dataset using **Excel V-lookup,Chi-square, Normal and T-distribution**. Removed **outliers** using **Python** and **Pandas**
- Help business to decide in dynamic pricing by identifying business insights and forecasting the trends for future months using time series analysis using **Excel**

- Worked closely with the engineering and business team using **scrum/agile** methodology

Academic Projects

Now 2023 - Dec 2023

Containerized Microservices Orchestration with Docker and Kubernetes

Containerization with docker

- Implemented Docker containers for each microservices, encapsulating dependencies and ensuring consistency across development, testing and production environment

Kubernetes Orchestration

- Orchestrated the deployment and scaling of microservices using Kubernetes, leveraging its powerful features for automatic load balancing, self-healing, and rolling updates.

Security and Compliance

- Implemented security best practices for containerized environments, including image scanning for vulnerabilities and implementing Role-Based Access Control (RBAC) in Kubernetes.

Infrastructure as Code (IaC)

- Adopted Infrastructure as Code principles with tools like Terraform to define and manage the underlying infrastructure needed for the Kubernetes cluster.

Results:

- **Reduced deployment time by 40% through the use of Docker containers and Kubernetes orchestration.**
- **Achieved seamless scaling of microservices in response to varying workloads, ensuring optimal resource utilization.**
- **Improved system reliability and fault tolerance, minimizing downtime and enhancing the overall user experience.**
- **Established a robust CI/CD pipeline, resulting in faster delivery cycles and increased collaboration between development and operations teams.**

Jan 2019 - April 2019

UAV Drone Based Service

- Analyzed more than **1000+ data points** of various crop diseases
- Using **Python Machine learning ,image processing, openCV** made it possible for drone to scan and detect the type of disease in crop.
- Could scan the soil and recommend the type of **crop most suitable for yielding**
- Got all india rank 3 in Sankalp 2020

Other Activities

- Member of the business innovation committee at my university. Helped in arranging various hackathons and cultural events.
- Volunteered 20 hours for habitat of humanity in summer 2017