Mansi Singh

Punjab, India • 9056045795 • singh.mansi2502@gmail.com

As an engineering intern deeply engaged in Python-based projects, currently specializing in Cloud technologies, and transitioning into DevOps domain. Proficient in Business Intelligence tools and SQL, excel in solving complex problems and extracting valuable insights. Eager to contribute my skills and enthusiasm to a dynamic team that prioritizes continuous learning. As an intern at Spottabl, successfully undertook projects involving GCP PubSub migration, MongoDB replication, Cloud Run deployments, and comprehensive data analysis using tools like Tableau and MS Power BI. Additionally, likes to share insights and knowledge as a writer on Medium.

Experience

JUNE 2023 – DEC 2023

Data Engineer Intern | Spottabl | Bangalore, Karnataka

Key Achievements: Migration to GCP PubSub, MongoDB Replication, Cloud Run Deployments, Flask Apps, Data Analysis & Insights

Roles & Responsibilities:
- Orchestrated the setup of MongoDB replication on GCP VM instance, ensuring robust performance, experience in working with Linux based VM and troubleshooting.
- Successfully executed a seamless migration in a Flask project, transitioning from Apache Kafka to GCP PubSub. Conducted rigorous testing and debugging using VSCode and Postman APIs for flawless infrastructure operation.
- Engineered a fully automated CI/CD pipeline for Cloud Run deployments, eliminating manual intervention and accelerating project timelines. Collaborated with the data team to design and develop efficient data pipelines, automating manual processes and enhancing scalability by 100%.
- Conducted insightful exploratory data analysis, revealing valuable business insights. Employed Python to cleanse and transform raw data, ensuring quality and consistency. Utilized Tableau and MS Power BI for effective presentation and visualization.
- Developed Flask applications with MongoDB integration, deploying them on Google Cloud Run. Managed VM instances on GCP, overseeing live project deployments with precision.

Technical Skills

• Python • MongoDB • SQL • Google Cloud Platform • Tableau • Flask • Data analytics • Power BI • Informatica Tools • Git • CI/CD • Cloud Run • Database Migration • AI-ML • Extract Transfer Load (ETL) Methodology • DevOps • NumPy • Pandas • Jupyter Notebook • Postman • RapidMiner • Linux • Virtual Machine • Java • Operating System • Networking • Troubleshooting • Bash • Oracle Cloud

Non-Technical Skills

• Team Leader • Team Player • Enthusiastic • Innovative • Imaginative • Decision Making • Communication • Critical Thinking • Problem Solving • Adaptive • Flexible • Time management • Emotional Intelligence • Creative • Cooperative

Projects

- **Skin Cancer Classification using CNN** | May 23
  Domain: AI-ML | **Programming Languages**: Python, NumPy
  Purpose: Created a classification model that can classify a skin cancer into benign or malignant using images of skin cancer. For the training dataset, our model obtains a 90.7% accuracy. For the test set, the model achieves an accuracy of more than 89.9%.
  Model building: Deep Learning, CNN; **Training:** Convolutional Neural Networks.

- **Fire Incidents Analysis Project** | Nov 22
  Domain: Data Analysis | **Tools**: Python, NumPy, Pandas
  Purpose: The dataset includes Fire incidents related to Toronto, having information (2011 – 2018). The dataset contains Estimated Dollar Loss, Latitude and Longitude, Exact date, and time. Used this dataset for Exploratory Data Analysis (EDA) and visualization along with preparing a Tableau Dashboard.
  Data Source: Kaggle.

- **Reverse Image Search Engine (Team Project)** | Sep 22
  Domain: AI-ML | **Tools:** Microsoft Azure Custom Vision, APIs
  Purpose: The Azure custom vision was part of web application which was trained and deployed using azure and integrated with the web application. It included data collection and cleaning, model training and testing, model deployment.
  Frontend: React JS; Backend: Larval PHP, APIs; **Data Source:** Kaggle; **Database:** MySQL;
  Deployment: Microsoft Azure; **ML Model:** Azure Custom Vision

- **Data Analytics Project (Automobile Industry)** | May 22
  Domain: Data Analytics | **Tools**: Microsoft Power BI, Azure, Node.js, Python
  Purpose: Created a Power BI web application for data analysis and visualization by implementing ETL. Developed features for the application and created a full-stack website where employees can view Analytics Dashboard made by Admin or Analytics department. Microsoft Azure is used as a Cloud service.
  Frontend: HTML, CSS, JAVASCRIPT, BOOTSTRAP; **Backend:** NODE.JS, REST API; **Database:** Array Based
  Tools For Data Analysis: Python, Jupyter Notebook, Power Bi, Microsoft Azure

Certifications

- Google Cloud Digital Leader Certification

- Microsoft Certified: Azure Data Scientist Associate

- Microsoft Certified: Azure AI Engineer Associate

- Microsoft Certified: Azure AI Fundamentals

- Microsoft Certified: Azure Data Fundamentals

Achievements

- HackerRank: Python (5 Star), SQL (5 Star)
- Upgrad Hackathon 2022 - Second Runner Up
- Hacktoberfest Contributor, OpenSource Enthusiast.
- Top 10 writer on Medium for IoT.

Education

2020 - 2024
B.Tech Computer Science Engineering (Data Science) | Lovely Professional University | Punjab, India   9.21 CGPA

2018 - 2019
Intermediate | Kendriya Vidyalaya Delhi Cantt | New Delhi, India   95.2 %

2016 - 2017
High School | Kendriya Vidyalaya Delhi Cantt | New Delhi, India   10 CGPA

Organizations

- Google Developers Students Club – LPU
- National Cadet Corps
- GirlScript Foundation
- LetsGrowMore

References

Narasimha Prasad | Chief Technical Officer and Architect at Spottabl
nprasad18@gmail.com | +919945744224

Social Media

LinkedIn: https://www.linkedin.com/in/mansi-s-2137b3207

GitHub: https://github.com/singhmansi25

Twitter: https://twitter.com/mansi_0707