HARSH MANCHANDA

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EDUCATION

AMITY UNIVERSITY   Noida, UP
Bachelor of Technology   2019 - 2023
  Major in Computer Science and Engineering; Minors in Data Science and Analytics
  CGPA: 7.72/10.0;
  Relevant Coursework: Data Analysis, Software Engineering; Operating Systems; Algorithms; Artificial Intelligence

J D TYTLER SCHOOL   New Delhi, Delhi
XII   2018 - 2019

SUMMARY

Skilled software engineer with a background in ERP system development, data analysis, and C++. Skilled in Python, JavaScript, and SQL. Committed to delivering efficient solutions and collaborating with cross-functional teams.

WORK EXPERIENCE

CYFUTURE   Noida
Associate Software Engineer   Jun 2023 – Present
- ERP Project Deployment: Supported a Government PSU ERP project for over 3,000 employees.
- Data Analysis & Reporting: Created automated reports using advanced SQL techniques (joins, subqueries) for GST and Manpower reports.
- Backend Development: Used the Frappe framework for server scripting and Python for backend coding.
- Frontend Scripting: Implemented JavaScript for client-side scripting.
- Data Processing: Conducted data processing with advanced Excel techniques (pivot tables, VLOOKUP).
- Data Visualization: Developed visualizations to present insights effectively.
- Client Collaboration: Tailored data solutions to meet client requirements.

CLOUTFLOW   Remote
Data Analyst Intern   Jun 2022 – Jul 2022
- Streamlined data validation processes, improving data accuracy.
- Completed data cleaning and data validation of existing spreadsheets to promote robust data management platform, resulting in accurate data analysis and entry.

PROJECTS

ERP SYSTEM DEVELOPMENT   **Python, JavaScript, MariaDB**
- Developed ERP system for a prominent Indian PSU, optimizing HRMS and Accounts modules for over 3000 employees.
- Utilized Frappe framework, Python for server-side, and JavaScript for client-side scripting.
- Managed database operations with MariaDB, including complex SQL queries.

ETL DATA PIPELINE | LINK   **Python, Apache Airflow, AWS**
- Designed and implemented an ELT data pipeline using Apache-Airflow.
- Extracted data from an API in JSON format, transformed it into CSV, and loaded it onto AWS S3.

SPACEX FALCON 9 LANDING PREDICTION | LINK   **Python**
- Designed and implemented data science methodologies such as data collection using API and web scraping, data wrangling, EDA using visualization and SQL.
- Interactive visual analytics using Folium and Plotly Dash, Predictive analysis using classification models.

SKILLS

Programming Language: C++, C, Python, JavaScript
Tools/Platforms: AWS, Apache Airflow, PySpark, Frappe, Excel (Advanced)
Databases: MySQL, MariaDB, PostgreSQL
Technical Skills: Data Visualization, Statistical Analysis, Database Management

PUBLICATIONS

"ETL Data Pipeline to Analyze Scraped Data"
Sparsh Khurana, Harsh Manchanda and Rashmi Gandhi
Gandhi, R., Khurana, S., Manchanda, H. (2023). ETL Data Pipeline to Analyze Scraped Data. In: Murthy, B.K., Reddy, B.V.R., Hasteer, N., Van Belle, JP. (eds) Decision Intelligence. InCITe 2023. Lecture Notes in Electrical Engineering, vol 1079. Springer, Singapore. https://doi.org/10.1007/978-981-99-5997-6_33

CERTIFICATIONS

IBM DATA SCIENCE PROFESSIONAL CERTIFICATE | LINK
Coursera
● Learned various data science methodologies, tools, and techniques. Completed hands-on projects involving Python, SQL, data visualization, and machine learning.