SOHAIL QURESHI

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EXPERIENCE

Graduate Research Assistant, California State University, Fullerton   *August 2022 - Present*

o   Investigating viability of software integration *(Alteryx)* into the curriculum to boost enrollment for analytical courses
o   Developed a *Tableau* report to assess teacher effectiveness based on data such as student evaluations and research projects

Senior Software Engineer (DevOps), ZF Group, India   *October 2021 - July 2022*

o   Automated data pipelines using *airflow DAGs* to run *VSM ADAS client* simulations by Integrating it with *IPG Carmaker*
o   Wrote *REST APIs* to invoke libraries and data between the applications
o   Migrated Airflow deployments to Docker environments hosted on Azure
o   Managed data pipeline automation, *LDAP integration*, and deployment utilizing *Docker, Jenkins, and OpenShift*
o   Created Helm charts on Kubernetes to reuse configuration across multiple deployments
o   Maintained Airflow release notes by versioning latest releases and generating user manuals for new features and changes

Data Analyst, ZF Group, India   *October 2020 - September 2021*

o   Built data and reporting infrastructure using power BI to provide real time insights into monitoring KPIs of software projects
o   Utilized different functions of *Power BI* such as *DAX query* to create calculated columns, measures and Pivot tables
o   Analyzed real time sensor data from windmill gearbox using techniques such as regression
o   Used predictive maintenance to make better part replacement decisions resulted in a **$20 million sales increase**
o   Clean and validate the *Azure Data Lake* and prepare for data analysis to ensure quality and consistency
o   Led the frontend construction of a *MATLAB GUI* dashboard for AKC (Active Kinematics Control) Team by streamlining data retrieval to a data warehouse using *ETL*

Project Manager, ZF Group, India   *July 2020 - September 2021*

•   Directed the development of a prototype and business strategy (Sales and Marketing) for launch in the APAC markets
•   Created project estimates, budget plans and drafted project timelines using Jira
•   Adopted agile approaches (scrum) by hosting sprint meetings to improve productivity and efficacy
•   Acted as a liaison between stakeholders and the development team to ensure project objectives were met

Software Engineer, ZF Group, India   *July 2020 - October 2020*

o   Developed algorithm using *MATLAB Mscript* by automating test case generation tool to improve gearshift cluster efficiency
o   Automated the storage of output in *Excel*, resulting in significant time saving compared to manual test case generation, utilizing advanced functionalities that **improved data processing speed by 30%**

EDUCATION

California State University, Fullerton   *August 2022 - May 2024*

Master of Science, Information Systems, Analytics (GPA 3.84/4.0)   California, USA

   o   Coursework: Database Design, Web Scraping, Data Science, Statistics, IT Project Management, Marketing, Finance, Forecasting, Business Intelligence, Spreadsheet Modeling, Microsoft Visual Basic, IBM SPSS
   o   Activities: Board Member - VP of Public Relations, Data Science and Machine Learning Club

Osmania University   *April 2016 - September 2020*

Bachelor of Engineering, Computer Science and Engineering (GPA 3.5/4.0)   India

PROJECTS

Data Visualization: Developed Interactive *Power BI* Dashboard to display components of different automotive suppliers
Data Analysis: *Web scraping* an online business to locate the greatest deal by analyzing data using Python libraries

SKILLS & EXPERTISE

Skills: Data Analytics & Visualization, Software Development, Leadership, Intercultural Teamwork, Time Management, Project Management (Agile methodologies: Scrum), Business Intelligence, Problem Solving ,SIL Testing, Electric Vehicles, ADAS

Software/Apps: Python, R, Power BI, Tableau, Jira, Git, SQL, Alteryx, Excel, IPG Carmaker, bash, shell, JFrog artifactory