BHUSHAN MISAL

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PROFESSIONAL SUMMARY

Skilled Software Engineer with a robust background in Python development and Data, actively pursuing opportunities in the Software Engineering sector. Equipped with a foundational history in ML & Software Development, complemented by a continuous quest for new challenges. Known for exceptional resilience and persistence, adept at navigating and excelling in complex, dynamic environments. Brings a unique blend of traditional software development expertise and an evolving acumen in machine learning, poised to contribute innovatively to forward-thinking projects in the field of Technology

WORK EXPERIENCE

Societe Generale Global Solution Center   Bangalore, India
Software Engineer   *Jul 2022 - Present*

- Spearheading the ideation and implementation of a web-based data validation project using **Django & Angular**, to offer proactive **pre-data-quality alerts** on diverse **risk metrics** reducing manual BA efforts b**y 40%**
- Creating Infrastructure mapping & resource utilization indication system in **Python** using auto-regressive **time series** analysis for optimized reallocation of resources leading to a reduction in operational cost by **€40K (per quarter)**
- Devised and integrated a robust monitoring system utilizing **ELK, Airflow, & Python** to proactively identify and address potential production issues, leading to a **10%** decrease in pricing issues
- Developed a cache-viewer tool using **Java & Angular**, which streamlined operations and reduced manual efforts, resulting in a **20% increase** in the efficiency of support teams during production issues & pre-prod bug assessments
- Created & deployed an error classification web service based on error messages & metadata using **NLP, SVM, Regression & Flask**, classifying over **50k errors** daily with **99%** accuracy and **98%** precision
- Developed scalable APIs on top of Datacubes and Datalakes to seamlessly integrate with Testing Automation Pipeline using **Flask**, reducing manual effort by **75%** and increasing testing efficiency by **50%**
- Implemented complex data validation algorithms for risk metrics using **Python, Pandas, Numpy, & Scipy**, resulting in a **20%** reduction in manual errors and significant improvement in data quality
- Revamped web app to implement containerized **microservices** architecture using **Docker and Kubernetes**, resulting in a **40% decrease** in deployment time for updates & releases

Eyewa   Dubai, UAE
Data Science Intern   *Jun 2020 - May 2021*

- Implemented a data streaming pipeline utilizing **airflow & python** to process information on **50k** customers and 500+ products, resulting in a **30% increase** in data processing efficiency
- Forecasted sales performance based on historical data using **Predictive Modeling in Python**, achieving an accuracy rate of **90%** and enabling the company to make informed business decisions
- Pipelined machine learning algorithms to analyze customer data using **Scikit-Learn & Tensorflow**, identifying key trends and patterns that led to a **15% increase** in customer retention rates.
- Implemented **Data Visualization** techniques using **Matplotlib & SQL** to represent findings from complex datasets, increasing data interpretation efficiency by **40%**
- Automated data processing tasks by transitioning from Excel macros to **Numpy, Pandas, & Matplotlib**, resulting in a **30%** reduction in processing time for large datasets
- Automated daily web scraping processes using **Python, BeautifulSoup & Airflow**, reducing manual effort by 75% and ensuring up-to-date competitor information for client decision-making

EDUCATION

Indian Institute of Technology, Bombay (IITB)   Bombay
Bachelor of Technology   *Graduation Date: May 2022*

SKILLS

Technical: Machine learning, Software Engineering, Statistical Modelling, NLP, Data Visualisation, Database management, Regression, SVM, Naive-Bayes, Random Forests, Time-series analysis, KNN, Clustering, PCA

Technologies: Python, Numpy, Pandas, Matplotlib, Scikit-Learn, Django, Angular, SQL, Elastic Search, Scikit-Learn, Tensorflow, Apache Airflow, Apache Spark & Hadoop, Docker, Java, Flask