Kartik Gupta

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Experience

Data Engineer - IT Consultant SAP Labs   Jun 2018 - Present

• Increased the BizX application uptime, reduced high latency jobs by 30%, and enhanced code efficiency by providing a data discovery platform Prism to the developers and customers for real time analytics of S2 jobs, API traffic, and ElasticAPM metrics
• Built a data lake in Hadoop HDFS using Spark jobs to collect data from various sources like Splunk, Elasticsearch, and MySQL DB, analyzed the data for business insights using Apache Hive, and created dashboards in Kibana for visualizing the KPIs
• Monitored the application and automated issue resolution by creating watchers and alerts which triggered troubleshooting python or shell scripts
• Managed the 25TB Hadoop cluster with 10 nodes and ensured efficient data processing of ~1 billion transactions daily including business critical jobs and APIs traffic
• Automated the ETL pipeline by using Jenkins and cronjobs, for reliable and real time insights

Strategy Intern Nomura Financial Technologies   May 2017 - Jul 2017

• Executed a data governance project for the compliance of a broker back office data ecosystem with the newly introduced GDPR regulations by the European Union
• Developed the solutions for ensuring data integrity, encryption of PIIs, and data mapping by identifying lineages between data present in 50,000+ schemas
• Analyzed data for exception handling using SQL Developer and identified possible outliers

Consulting Intern Miebach Consulting   May 2016 - Jul 2016

• Identified key Indian ports and industries for targeted introduction of cold storage, CFS and ICDs to support existing supply chain systems
• Designed a pilot auto replenishment system for a retail client providing automated inventory replenishment and minimizing human errors

Education

Integrated Dual Degree   Indian Institute of Technology Kharagpur   Jul 2013 - May 2018

Electronics and Electrical Engineering
• Bachelors Thesis: Blur kernel estimation in images using a Convolutional Neural Network (CNN)
• Masters Thesis: Automatic caption generation in images based on the contents using Recurrent Neural Networks (RNNs) and Long short-term memory (LSTM)

Skills

Technical
• Python (requests, beautiful soup, numpy, selenium webdriver, keras, scikit-learn)
• Vue.JS | Java | SQL | Scala | Linux | Shell scripting
• Apache Hadoop, Hive, HDFS, Ambari and Apache Spark
• Splunk | Elasticsearch and Kibana (ELK stack) | Jenkins

Organizational
• Among two students selected from a batch of 1400 to contest for the post of Student body President, secured 49.3% of all votes for the general elections 2016-17
• Led a team of 50+ to conceptualize, plan, and execute 100+ events over four days as the Events Head at Spring Fest, the nation's biggest college socio-cultural fest with a participation of 30,00+