ABHILASH BHAKTARAHALLI SUBRAMANYA

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EDUCATION

University of Southern California, Los Angeles USA   **AUG 2021-MAY 2023**
Master of Science in Computer Science (Current)

BMS College of Engineering, Bengaluru India   **SEP 2014-MAY 2018**
Bachelor of Engineering in Computer Science
CGPA - **9.33/10.0**

SKILLS

- **Platforms worked on**: Amazon Web Services, Google Cloud Platform, In-House Data-Center
- **Databases or Datastores**: Scylla, Cassandra, Postgresql, Redshift, Bigquery, Redis, Janusgraph, MySQL
- **Tools**: Apache Spark, Apache Kafka, Apache Nifi, Metabase, Apache Oozie, Azkaban, Kafka connectors, Docker, Apache Airflow, Apache Livy, Redash
- **Languages**: Python, Scala, GoLang, Java, C++

WORK EXPERIENCE

Data Engineer   **NOV 2019-JUL 2021**
Zeotap India Pvt Ltd, Bengaluru, India

- Built Apache Spark jobs for analytical operations such as connected components over a billion-node sized graph.
- Contributed and optimized Scylla database backup-recovery tool and improved recovery speed by a factor of 3x.
- Developed utility products to help maintain several tens of Apache Oozie and Livy jobs, track failures, and get summary reports.
- Collaborated and directed a team to design a graph cleaning pipeline for a scale of data inflow upto 1-billion nodes.
- Led and oversaw delivery of various monthly and ad-hoc data deal exports.

Data Engineer   **JUL 2018-OCT 2019**
Endurance International Group, Bengaluru, India

- Developed and maintained Apache Nifi pipelines for batch and real-time data replication from OLTP databases to data-warehouse.
- Built change-data-capture Kafka Connect pipelines for various application-specific operations such as updating cache.
- Collaborated with business stakeholders and created various Jasper and Metabase BI reports to provide insights over day-to-day business operations.

INVOLVEMENT

- Founded a competitive coding club in undergraduate college.

HONORS AND AWARDS

- Received Harley Keitel Award for operational efficiency at EIG for reliable operational Apache Nifi pipelines created.
- Won Best project in Geek of thrones for Implementing in-time necessary Google Chat plugins at EIG.
- Bagged Best Value-addition project award at InnoJam for User-Clustering based Recommendation system at EIG.

PROJECTS

Video Super resolution   **JAN 2018-APR 2018**
- Programmed a deep learning model for improving resolution of video frames using residual learning of CNN.
- Predicted frame had a Structural Similarity Index of 0.845 on average to its high-quality frame.

PUBLICATIONS

- VIDEO SUPER RESOLUTION USING DEEP NEURAL NETWORKS, JETIR, ISSN-2349-5162.