

# ABHILASH BHAKTARAHALLI SUBRAMANYA

213-573-9659 | abhilashbss@gmail.com | www.linkedin.com/in/abhilashbss | https://abhilashbss.github.io

## EDUCATION

### University of Southern California, Los Angeles USA

AUG 2021-DEC 2022

Master of Science in Computer Science (Current)

CGPA - **3.85/4.00** (current)

*Courses: Analysis of Algorithms, Database Systems*

### 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, SQL Server
- **Tools:** Apache Spark, Apache Kafka, Apache Nifi, Metabase, Apache Oozie, Azkaban, Kafka connectors, Docker, Apache Airflow, Apache Livy, Redash, Hadoop, Zookeeper
- **Languages:** Python, Java, Scala, GoLang, 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 up to 1-billion vertices.
- Led, oversaw and owned 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 data 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.