

Vikram Iyer

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EDUCATION

CORNELL UNIVERSITY

MACHINE LEARNING CERTIFICATE
September 2020 | Bengaluru, IN

UDACITY

MACHINE LEARNING ENGINEER
NANODEGREE
Jan 2020 | Bengaluru, IN

DR. BABASAHEB AMBEDKAR MARATHWADA UNIVERSITY

B.E. COMPUTER SCIENCE AND
ENGINEERING
Grad. July 2013 | Aurangabad, IN

LINKS

Github:// [vikramriyer](#)
LinkedIn:// [vikramriyer](#)
Twitter:// [@vikramriyer](#)
Website:// [Vikram-Iyer](#)

SKILLS

PROGRAMMING

Python • R • Bash • Java • Shell •
Javascript • Ruby • SQL •

DATABASES

MongoDB • Postgres • Elasticsearch •
Redis

FRAMEWORKS

Pytorch • FastAI • Pyspark •
Keras+TensorFlow • Flask

LIBRARIES

Scikit-learn • Numpy • Pandas • Prophet
• Celery

TOOLS

Graphana • Docker • Prefect • Airflow

EXPERIENCE

ACCELDATA.IO | SOFTWARE ENGINEER, DATA AND MACHINE LEARNING

February 2019 - Present | Bengaluru, IN

- Designed and developed the entire data engineering pipeline right from data ingestion from various sources like Amazon S3, InfluxDB, MongoDB, Elastic, etc into a single supported stream using Python Flask API's and using Prefect as a platform for programmatically scheduling and monitoring workflows which are deployed on client clusters with 10-100 server instances.
- Developed a Statistical Algorithm from scratch to cluster similar assets in a Data Catalog for better Observability on both Cloud and On-prem Data lakes. Developed the downstream application that uses the clustering output to recommend data quality policies to assets.
- Designed and developed a Semi-supervised Real-Time Anomaly Detection engine to work on Data Lake metrics to generate alerts that help SRE's with better debugability. Some use cases include; detecting leader imbalance in Kafka, detecting an uneven load on regions servers in Hbase, etc.
- As the first engineer, helped build the team from 5 to 60+ in 2 years with a strong Data team of 8-10 members and currently building the ML Observability tool.

UDACITY | MENTOR/CODE REVIEWER, DATA ENGINEERING AND ANALYSIS

April 2017 - February 2020 | Hyderabad, IN

- Guided 50+ students and review their work on Data Engineering, Machine Learning, Data Analysis, etc with 4.7+ star for Code Reviews and Mentorship.
- Extensive experience in communicating and explaining concepts around Data Science/Engineering to students from all around the world. **Testimonials.**

SOKRATI TECHNOLOGIES | SOFTWARE ENGINEER - 2 (DATA PLATFORM)

May 2016 - March 2017 | Pune, IN

- As part of Platform and Data Integration team, designed and developed a Deployment Framework to deploy 50+ microservices and applications on 100+ production servers with a single click which helped multiple teams reduce the TCO by 1/4th.
- Developed the Python API layer over Amazon Redshift Data Warehouse and the ETL pipeline to ingest streaming data from Kafka to Redshift.

GSLAB INC. | SOFTWARE ENGINEER

June 2015 - April 2016 | Pune, IN

- Designed and developed a run time test system in Python based on Docker to reducing time overhead by up to 10X and cost by 1/2 by choosing AWS on-demand instances using pre-built images.
- Led a team of 3 for the deployment (end-to-end CI/CD) of Kpoint video software for clients like TCS, Infosys, etc.

PERSISTENT SYSTEMS LTD. | SOFTWARE ENGINEER

December 2013 - May 2015 | Pune, IN

- Developed Chef cookbooks for the deployment of App Server as well as Hadoop 1.x and 2.x clusters on AWS.
- Developed CI/CD pipelines with Jenkins and Python command line tools for both on-premise and on-cloud services and applications.