

TANUJ KULSHRESTHA

Data Engineer at Universal Music Group

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WORK EXPERIENCE

Data Engineer

Universal Music Group

July 2019 – Ongoing Berlin, Germany

- The work involves building data pipelines/ETL jobs for batch data using Apache Airflow, Apache Beam (Google Cloud Dataflow) and BigQuery in Google Cloud Platform. The other tasks are setting up infrastructure and creating services in GKE (Google Kubernetes Engine), creating and publishing Tableau Dashboards on Tableau Server, and data migration jobs in Jenkins.
- Technologies used:** Apache Airflow, Apache Beam, Jenkins, BigQuery, SQL, Tableau, Python.

Master Thesis Student

RWTH Aachen University

November 2018 – June 2019 Aachen, Germany

- Feature selection and Trends detection in high dimensional streams of data coming in near real-time using complex event processing and visualize it.
- Technologies used:** Apache Kafka, ESPER CEP Engine, Apache Storm, InfluxDB, Grafana, Java.

Work Student

KPMG AG

December 2018 – June 2019 Essen, Germany

- Worked with Microsoft SQL Server Integration services for building ETL pipelines for KPMG licenses and deploy it to the KPMG server

Software Engineer Intern

IBM R&D Labs

October 2017 – April 2018 Böblingen, Germany

- Contributed to a Machine learning prototype in Db2 Analytics Accelerator for z/OS. The prototype was the gateway Java framework for reducing query processing time of large datasets between IBM Mainframes and IBM accelerator. Developed several modules in JAVA such as LDAP Authentication, configuration parsing module and command request handler.
- Technologies used:** Apache Spark, Jupyter Notebooks, Java, Python

Senior Software Engineer

Samsung R&D Institute India

July 2013 – August 2016 Bangalore, India

- Developed modules for Samsung Knox APIs. Worked as a VPN and Security certificates SME, handling all the B2B and B2C clients issues of Samsung Knox, providing debugging, analysis and resolution to them. Also, involved in the development of Android applications for Samsung KNOX APIs.

EDUCATION

M.Sc. in Software Systems Engineering. GPA: 2.3/5

RWTH Aachen University

Oct 2016 – June 2019

B.Tech. in Computer Science. CGPA: 8.61/10

VIT University

Jul 2009 – June 2013

Higher Secondary school in Maths, Physics 83.4%

Krishna Public school

Apr 2008

STRENGTHS

Hard-working

Team Player

Self-motivated

Quick Learner

Good communication skills

SKILLS

Python



Java



Apache Airflow



Apache Kafka



Apache Beam



BigQuery



Apache Spark



Tableau



Hadoop



LANGUAGES

English






Hindi





German





CERTIFICATIONS

-  **Google**
Google Cloud Professional Data Engineer
-  **Coursera**
Google Cloud Platform Big Data and Machine Learning Fundamentals
-  **Udemy**
Advance Analytics and RealTime processing using Apache Spark




MISCELLANEOUS

-  **Audi Logistics Hackathon**
Developed and presented a low-cost, easy-to-use logistics Android application for searching random lost cars in the campus of Audi factory. Used a simple Bar code scanning technology to locate the car on Google Maps.
-  **Cryptodetective**
A simple Quiz application in Android which has certain levels and using clues and Hints user must solve the puzzles or questions to move forward.

VOLUNTEER ACTIVITIES

-  **Member of VIT Health Club**
Active member of Health club during my undergraduate and was part of several events conducted across Vellore
-  **Volunteered Quiz competition**
by an NGO in Vellore among the orphaned kids and awarded the winners with prize money and books

HOBBIES

-  **Blogging**
Maintain a personal blog on 2pforinterview.blogspot.com where I write several blog posts about programming, Puzzles and new technologies.
-  **Travelling**
Visiting different countries to learn about new culture and Food.
-  **Sports**
Swimming, Cricket and Running.

REFERENCES

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