

# AFFAN SHAIKH

## Software Engineer

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## EDUCATION

Bachelors in Information Technology

**Vishwakarma Institute of Technology CGPA: 9.53/10**

📅 2016 - 2020

**Course work:** Data Structures, Object Oriented Programming, Design and Analysis of Algorithms.

**Positions:** Co-Lead, Explore ML Facilitator **Google's Developer Student Club**, Head GedIT Coding Club

## EXPERIENCE

Technology Analyst

**Credit Suisse**

📅 Aug 2020 – Present

- Working on analyzing 3rd party NLP services for Bloomberg chats. Built NLP validation pipeline and **reduced time complexity of look up table to 99.94% for 56,400 tickers.**
- Working on Full Stack Notification System (ReactJS, .Net, SQL). Application to work across **7 internal projects**. Complete SDLC from **requirement gathering, database design to deployment.**
- Built Automation Script for **50 test cases** for Client 360 project using Cucumber Framework (**Java**).
- Solved problem of confidentiality of interacting with 3rd party applications by developing **client masking tool** to process **30 Million+ lines of XML chat with 10 fields.** (Python).
- Performed clustering and data generation for **31,000 Bonds and 8,000 Issuers** to provide data for 3rd party Applications (SQL, Rest API, Python).

Technology Intern

**Credit Suisse**

📅 May 2019 – July 2019

- Built AutoML Framework for Stock Market Internal data for **8 adjustable hyper parameters** (Python) and developed logging feature in Automation Suite for FIX messages (**C++**) in linux environment.

Student Intern

**FinIQ Pvt Ltd**

📅 May 2018 – July 2018

- Built Automation Script for **30 test cases of FIX portal** (**Java**, Selenium) and created Desktop app for Options and Bonds pricing (**Java**).

Student Intern

**Figolive Pvt Ltd**

📅 Aug 2019 – Nov 2019

- Developed research prototype on detecting anomalies in **3 year stock market data** using LSTM (Python) and Fixed **20+ bugs** for cross platform hybrid health care app (Ionic + Angular)

## SKILLS

**Tech Stack:** C++, Python, Java, HTML, CSS, JavaScript, ReactJs, SQL, Github, JIRA

**Domains:** Machine learning, Deep Learning, Natural Language Processing, Web Development, Database Management

## ACHIEVEMENTS

- Featured in **top 26 Star Performers of 2020** from 900+ employees in Credit and Client Town hall.
- Awarded **3 Employee recognition gold bars** (RAVE- Recognizing and valuing excellence) for SQL, Data Analytics, Team work and contribution towards Global Coding Challenge.
- Invited as a speaker for guiding **120+ students** across Maharashtra for placements and engineering at Developer Student Club VIT.
- Stood in **top 6 amongst 3600** participants across India for individual hackathon (CodeIT Suisse) on Machine Learning, hosted by Credit Suisse (Mar 2019).
- Selected in **top 5 business pitches** in Credit Suisse internal hackathon (Oct 2020).
- Selected in **top 300 students** from all over India for Google's Tech Intern Connect (2019).
- **1st runner up** from 25 participating teams at TRF Robosub Hackathon (2018).

## PROJECTS

**HybridX- Abusive Language Detector**

- Solved the problem of **training LSTM of 50,000+ parameters with a dataset of 17,000 entries** using election voting algorithm with Random Forest and Logistic Regression. Python

**OMKNN - Optimized Modified K-Nearest Neighbour**

- Proposed and developed a new algorithm (OMKNN). **Reduced Space Complexity for KNN- Algorithm by 33%.** ( Python) (Research Paper submitted to Springer book, waiting for acceptance)

**Distributed Key Value Store**

- Simulation of Distributed system with load balancing using **consistent hashing for 150+ nodes of 5 different clients.** Inspired by Amazon's Dynamo DB. (Java)