

Sumukh Vasisht Shankar

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<https://www.linkedin.com/in/sumukh-vasisht-s/> • <https://github.com/sumukh-vasisht>

<http://www.svs.codes/> • Available: June – December 2021

EDUCATION

Northeastern University, Boston, MA

Khoury College of Computer Sciences

Candidate for Master of Science in Data Science

Related Courses: Data Management and Processing, Algorithms.

Sept. 2021 – Present

Expected Graduation: May 2023

Visvesvaraya Technological University, Karnataka, India

Bachelor of Technology in Information Science & Engineering

Related Courses: Database Management Systems, Artificial Intelligence, Data Analytics, Big Data, Recommender Systems, Machine Learning, Information Retrieval Systems.

Aug. 2017- Aug. 2021

9.05/10.00 CGPA

TECHNICAL KNOWLEDGE

Programming Languages: Python, R, C++, Java, C

Tools/Frameworks: Hadoop, Spark, PySpark, TensorFlow, PyTorch, Sci-kit, plotly, seaborn, Tableau, matplotlib, Git

Databases: MySQL, SQLite, MongoDB, Firebase, PostgreSQL

PROFESSIONAL EXPERIENCE

FICO, Bangalore, India

SWE Intern

Jan 2021- June 2021

- Worked in the Metadata Services team on the FICO Data Management Platform.
- Wrote **10+** APIs for Regular Expression Validation of various information fields. Contributed towards Increasing the code coverage of the project (Increased more than **11%** of code coverage)

Antriksh Labs Pvt. Ltd., Mysore, India

AI Research Intern

Feb 2020 – Dec 2020

- Worked on an AutoML SaaS Product – researched on the best plots for different kinds of data.
 - Designed and developed **2** automated pipelines for Data Visualization, Exploratory Data Analysis, and Statistical Analysis.
- Wrote over **45** APIs to carry out Data Visualization and statistical analysis of datasets.
- Developed a dashboard using Plotly, GGPlot and D3.js.

ACADEMIC PROJECTS

1. Facial Recognition Based Smart Attendance System

Feb. 2021 – July 2021

NIE, Mysore, India

- Software which marks the attendance of students in a class on a remote database using the technique of facial recognition.
- Developed a facial recognition system along with the software using Deep Learning with a modified Local Binary Patterns Histogram algorithm. Achieved high accuracy (**>95%**) while recognizing faces.
- Reduces the time taken by teachers for manual attendance taking by more than **50%**.

2. Identification of Social Issues of India through Analysis of Twitter Data

Sept 2020 -Jan 2021

NIE, Mysore, India

- Developed an NLP and Data Analytics pipeline to analyse the social issues of India using tweets procured in real time.
- Developed complaint detection and classification algorithms which performs with high accuracy of **89%** and **87%** respectively.

3. Automated Dust Storm Detector

October 2021

NASA Space Apps Challenge - 2020

- Used Image Processing and ML techniques to detect dust storms using satellite image data and developed a mechanism to alert people in that region about it by using reverse geo encoding techniques.
- Our team received the global nomination for the Space Apps Challenge that year.

4. Cric Predict

Sept 2020 -Jan 2021

NASA Space Apps Challenge - 2020

- Machine Learning Project to predict the winner of a cricket match by taking into consideration various factors like venue, toss winner, team batting first, results of previous matches at that venue and many more. Achieved over **80%** accuracy.