

Sumukh Vasisht Shankar

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EDUCATION

Northeastern University

Master of Science in Data Science
Expected Graduation: May 2023

Boston, MA

August 2021 - Present

- Relevant Coursework: Algorithms, Data Management & Processing

The National Institute of Engineering

Bachelor of Engineering in Information Science and Engineering
Cumulative GPA: 9.10/10.00

Mysore, India

August 2017 – August 2021

- Relevant Coursework: Data Analytics, Big Data Analytics, Information Retrieval Systems, Recommender Systems, Artificial Intelligence, Python Programming, Database Management Systems

WORK EXPERIENCE

FICO

Software Engineering Intern

Bangalore, India

January 2021 – June 2021

- Worked in the metadata services team of the Decision Management Platform of FICO Studio.
- Utilized Java Springboot to develop backend APIs. Experienced with MySQL and Docker as well.

Research Intern

Antriksh Labs Pvt. Ltd.

Mysore, India

February 2020 – December 2020

- Topics of research: Statistical Analysis, Data Visualization and Exploratory Data Analysis.
- Designed and developed an automated Data Visualization pipeline which included Extract, Transform & Load (ETL), AutoML, Statistical Analysis and Exploratory Data Analysis.
- Used various technologies like Hadoop, Apache Spark, Tableau, GGPlot, Plotly, Python, etc.,

Deshik Labs

Software Intern

Mysore, India

March 2019 – October 2019

- Developed various web applications for different clients. Contributed to both frontend and backend development.
- Experienced with all stages of software development lifecycle.
- Used technologies and languages like Python, Firebase, Vue.JS, Framework7, HTML/CSS.

PROJECT & RESEARCH EXPERIENCE

NIE, Major Project

Facial Recognition Based Smart Attendance System

Mysore, India

March 2021 – June 2021

- Developed a facial recognition system for attendance purpose using Deep Learning and the Local Binary Patterns Histogram algorithm with a high success rate.
- Developed the facial recognition pipeline and the software.

NIE, Minor Project

Identification of Social Issues of India through Analysis of Twitter Data

Mysore, India

September 2020 – December 2020

- Extracted tweets made in India periodically, used NLP to classify them as complaints and non-complaints.
- Complaints were further classified into one of the 17 pre-defined categories to understand and visualize the complaint patterns across all states of India
- Achieved high accuracy rates in classification.

NASA Space Apps Challenge

Automatic Dust Storm Detector

Mysore, India

- My team and I developed an application that gives real time predictions of satellite data to predict the availability of dust storms in the image.
- This is followed by a depiction of the area affected by the dust storm. In case of a dust storm being detected, a notification is sent to the users. It also uses social media as a tool to extract possible occurrences of dust storms and predict the possibility of it being there, considering the location can be extracted.

Hobby Project

Care for PCOS

Mysore, India
March 2021 – June 2021

- A Machine Learning Project to predict the chances of a female (user) having Polycystic Ovary Syndrome (PCOS).
- The user is then provided information about various resources (Gynecologists, Homeopaths, Dieticians and Nutritionists, etc.) near her by scraping information from the web by using the user's location.

All my other projects can be found on my Github page: www.github.com/sumukh-vasisht/

LEADERSHIP

NIE IEEE Student Branch

Mysore, India

SAC Coordinator (2019 – 2020)

- Scouted for and invited Resource Persons for various technical and social activities of the organization involving over 300 members.
- Oversaw various activities of the organization and made sure everything went as planned.
- Co-ordinated with companies and arranged Industrial Visits to the companies. (Organized Industrial Visits to DELL EMC and CISCO during my term)

Digital Design Lead (2018 – 2019)

- Designed posters, banners, certificates, videos, magazines, and newsletters for the student club.

Student Branch Networking Coordinator (2018 – 2019)

- Networked with other IEEE Student branches and reported all activities done by NISB to the IEEE Bangalore Section.

Other responsibilities at NISB

- Have been a resource person for various workshops on topics like Game Development with Python, Competitive Programming, Web Development, NIE Summer of Code 6.0, Software Focus Group Sessions, Programming in C++ & Python and more.

U&I

Volunteer

Mysore, India
Dec 2019 – August 2020

- Taught underprivileged children Maths and English every weekend for 4 hours.
- Involved in fundraising activities for the children.

SKILLS & INTERESTS

- Programming: Python (numpy, pandas, scikit-learn, pytorch, scipy, flask, matplotlib), SQL, R, C, C++, HTML/CSS, JavaScript
- DBMS Platforms: MySQL, MongoDB, Firebase
- Data Science: Hadoop, Spark, NLP, Data Visualization (Tableau, Plotly, GGPlot, Apache ECharts), EDA, ETL
- Language: Professional Fluence in English and Kannada
- Hobbies: Reading fiction, playing piano and guitar, Carnatic singer.