

ATUL MANJUNATH BHARADWAJ

Brooklyn, New York · am11449@nyu.edu · +1 (934) 210-3650 · ab047.github.io

EDUCATION

New York University, Tandon School of Engineering
Masters in Computer Science

Brooklyn, NY
Graduating May 2023

S J B Institute of Technology, Visvesaraya Technological University
Bachelor of Engineering in Computer Science and Engineering *GPA: 8.80/10*

Bengaluru, India
Graduated Jul 2021

Relevant Coursework: Design and Analysis of Algorithms, Operating Systems, Artificial Intelligence, Discrete Mathematical Structures, Data Structures and Applications, Information Visualization.

EXPERIENCE

Qualitas Technologies Pvt. Ltd.
Machine Learning Intern

Bengaluru, India
Apr 2021 - Jun 2021

- Developed a QtLibrary in C++ for dominant color detection and filtering for automobile parts.
- Developed an algorithm for automatic triggering and capturing of images from high-speed video feed for quality assessment in assembly lines.

e-Yantra, Indian Institute of Technology, Bombay
Machine Learning Intern

Mumbai, India
Apr 2020 - Jun 2020

- Classified different kinds of common noise in calls using a Deep Learning model using TensorFlow.
- Developed a module to generate web-pages from videos with 'Click Transcript to Jump to Timestamp' feature.
- Developed a module to automatically detect exact timestamps of intro audio from a series of videos having the same intros.

SKILLS

Programming/Scripting Languages: Python, C/C++, Java

PROJECTS

Visualizing NYPD's Historical Complaints Data

Dec 2021

Analyzed the dataset to identify the areas that have the most number of certain types of crime, as well as other statistics about which age group is the most affected and which crimes are most prevalent in NYC using Python and Tableau, as a part of the Information Visualization course.

Analyzing Disk I/O Performance on Linux using C++

Dec 2021

Developed C++ programs to measure and analyze disk performance for cached and non-cached reads as a part of the Operating Systems course.

Assistive Chatbot for Visually Impaired | Final Year Capstone Project Jan-2021 – July 2021

Web based chatbot that can navigate a blind person using speech while maintaining social distancing with a mask detection feature

Data Visualizer | Mini Project

Nov 2020 - Jan 2021

Website that was based on javascript that can take csv files for input to visualise them using plotly.js in a variety of different charts and apply basic filtering functions.

AWARDS

First Place, National Robotics Competition

e-Yantra, Indian Institute of Technology, Bombay

Placed 1st out of the 1050 teams that participated in the nationwide robotics competition hosted by the Indian Institute of Technology, Bombay. Specially mentioned for being consistently at the top position for the theme for the 6-month duration of the competition.

Jul 2020

PUBLICATIONS

Kannada ImageNet: A Dataset for Image Classification in Kannada

A dataset of 425,000+ images labelled in Kannada for use in image classification in Kannada.

Published at the IEEE sponsored 11th International Conference on Computer Communication and Informatics (ICCCI), Coimbatore.

March 2021