VibhuBhatia

vibs97@bu.edu | +1 (617)870-8361 | Linkedin: vibster97 | Github: vibss2397

Portfolio: vibss2397.github.io

EDUCATION

Boston University   Boston, MA

Master of Science in Computer Science; GPA: 3.75/4   *Expected May, 2021*

Netaji Subhas Institute of Technology   Delhi, India

Bachelor of Engineering in Biotechnology; GPA: 7.6/10   *2015-2019*

SKILLS

Languages: Python, Javascript, C++, Matlab

Frameworks: Node.js,Express.js, Tensorflow, keras, Laravel, ReactNative, Matplotlib, Pandas

Database: SQL, MongoDB

Technologies: git, Android Studio, Docker, Linux, OpenCV, WebSocket, RESTful API

EXPERIENCE

Optimal Lab, BU   Boston, MA

Research Assistant   *June, 2020 - Present*

- Researched and designed **simple unit tests** to **examine the robustness and performance** of implementation of different **optimizers** available in pytorch library.

BU Spark!   Boston, MA

*Innovation Fellow (**Backend Engineer, NextChange**)*   *February,2020 - May,2020*

- Assisted In developing the data pipeline engine for **collection and processing trading data** from different crypto exchanges using **python and websockets**.
- Created a REST API for **accessing data via queries** using, and created a server for providing **real-time price updates** to clients via websockets.

LeanTrack   New Delhi, India

Lead Strategist   *September 2017 - January 2019*

- Provided advisory services for **over 20 startups** and helped generate profits using a **Data Driven Approach**.
- Researched, developed and automated the **LSAAT(startup ability assessment tool)** model to rate startups.

Creer   New Delhi, India

Co-Founder, Chief Technology Officer   *October, 2017 - August, 2018*

- Created a dedicate Mentor and student panel with **appointment booking system** and MVC architecture using **node.js, Express.js and MongoDB**.
- Created **Rest API and Deployed micro services** using docker containers in Nginx for using **trained models, Payment Gateway and Email Automation**.

PROJECTS

- **Cats vs Dogs** Active Learning for Efficient Labelling of Image Data
  - Used **Adaboost algorithm** to train many **weak learners(shallow NN)** using active learning to label images containing cats and dogs, producing results close to a **baseline CNN** using just **41% of the training data**.

- **Microscopy Image Super Resolution** Undergrad Research@NSIT
  - Proposed changes in the architecture for **Super resolution GAN** model for improving the quality of SR images. Built an **end-to-end web portal** for transferring images via the camera to one's computer using websockets.

- **Task scheduler** A javascript based **debuggable CPU scheduler** which simulates different OS preemptive scheduling algorithms such as **Round Robin, Rate Monotonic and Earliest deadline**
  .

EXTRACURRICULAR ACTIVITIES AND ACHIEVEMENTS

- As Technical Head of eCell NSIT, Mentored over 50+ students for the skill development for the **LEARNING INITIATIVE** in addition to **leading a team of 5 developers** developing the Official Website for eCell and eSummit

- Started an Initiative **LeanTrack For Her**, to promote female entrepreneurship in India and supported and incubated **5 female led early stage startups**.