

Vaibhav Sharma

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EDUCATION

BOSTON UNIVERISTY

MS IN COMPUTER SCIENCE

Expected Dec 2018 | Boston, MA

DELHI UNIVERISTY

BTECH IN COMPUTER SCIENCE

July 2013- June 2017 | Delhi, India

LINKS

Github:// [vaibhav19sharma](#)

LinkedIn:// [vaibhav19sharma](#)

Website:// [vaibhavsharma.net](#)

COURSEWORK

GRADUATE

Advanced Algorithms

Formal Methods for High-Assurance SE

Graduate Databases

Introduction to Operating Systems

Machine Learning

Android Application Development

SKILLS

PROGRAMMING

Python • C++ • C • Javascript • MySQL

Flask • HTML • Java • SAT Solver/ Z3

• Android • Mathematica • \LaTeX

• MongoDB • Angular 5

WORK EXPERIENCE

BU SPARK

Jan 2018 - Present | Boston, MA

- Working as a Software Developer at BU Spark.

- Working on creating an android application which aims at providing education to children in Refugee Camps.

PROJECTS

TO-DO LIST | ANGULAR 5 AND BOOTSTRAP

April 2018 | Boston, MA

- Worked on creating a Web App using Angular 5 which handles Use cases such as, adding and deleting events.
- Working on integrating the web app to Firebase.

KEYBOARD DRIVER | KEYBOARD DRIVER FOR PUPPY LINUX - 2.6.33.2

Jan 2018 | Boston, MA

- Created a Kernel Object file to implement a keyboard device driver on Shared IRQ.
- Worked on passing data from the IOCTL module to a C program to print the Keyboard input from user.

TWEET SCRAPING WITH TWEETPY AND PYMONGO | PYTHON BASED APPLICATION TO RUN STATISTICAL MONGODB QUERIES ON SCRAPED DATA

December 2017 | Boston, MA

- Worked on scraping real time twitter tweets by filtering geo coordinates and country so as to make them region specific.
- Scraped data retrieved in JSON was stored in MongoDB.
- PyMongo was used to execute the necessary MongoDB queries.

REGRESSION IN PYTHON USING PANDAS | PREDICTION OF STOCK PRICES BASED ON THEIR PAST RATES

Oct 2017 - December 2017 | Boston, MA

- Predicted prices of stocks using linear regression in python. Used **AlphaVantage** for real time stock data.
- Used various techniques in Support Vector Regression to find the curve which best fits the normalized data.

PHOTOSHARE | IMAGE SHARING WEB APP USING FLASK ON PYTHON AND MYSQL DATABASE

Sept 2017 - Oct 2017 | Boston, MA

- Worked on creating use cases such as User management, Album and Photo management, Top Users, *You may also like* etc.

RESEARCH - PROGRAMMING AND PAPERS

PROGRAMMING - DIFFERENTIAL EQUATIONS

June 2016 – July 2017 | IIT, Delhi, India

Worked as a trainee for Mr.H.K. Malik, professor, IIT-Delhi for 4 weeks. The training focused on developing a C++ code for solving Korteweg-de Vries differential equations.

PROGRAMMING - ROBOTICS Jan 2016 - June 2016 | Haryana, India

This project focused on developing a robot to change its path if any object came in its way. My role in this was to help students get thorough with coding principles and fix the errors in the program.