

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

UNDERGRADUATE

Android Development

Operating Systems

Artificial Intelligence

Theory of Computation

Computer Graphics

Information Security

Discrete Structures

SKILLS

PROGRAMMING

Python • C++ • Javascript • MySQL

Flask • HTML • Java • SAT Solver/ Z3

• Android • Mathematica • \LaTeX

PROJECTS

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

Oct 2017 - Present | Boston, MA

- Predicted prices of stocks using linear regression in python. Used AlphaVantage for real time stock 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.

INTERNET OF THINGS | REMOTELY CONTROL A BUZZER

Jan 2017 - March 2017 | Delhi, India

- Worked in a team of 5 to create a prototype for remotely controlling electronic appliances. We controlled a LED Buzzer's brightness using HTML control options.
- Worked on the Arduino code for the buzzer and documented the whole project.

LOCATION SEARCH | ANDROID APP TO SEARCH NEARBY PLACES

July 2016 - Oct 2016 | Delhi, India

- Worked on creating an android based application to detect a users location using Google Maps API and then search for places in 5km radius based on the user input.
- Created the UI for android app and implemented Google Maps functionality.

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.

RESEARCH PAPER - UNIVERSAL IDENTIFICATION CARD

April 2016 | Delhi, India

Presented a paper on 'Universal Identification Card' at Shaheed Sukhdev College of Business. The research focused on creating a Universal Identification Card using software engineering principles. We used Spiral Model to demonstrate different phases in the project lifecycle.

AWARDS AND CERTIFICATIONS

2015	Web Designing (HTML, CSS, J-Query)	Web-Tech Labs, Delhi, India
2015	Web Designing (HTML, CSS, J-Query)	IBM, Delhi, India
2014	Java(Core)	NIIT, Noida, India
2013	C and C++	NIIT, Noida, India