

# Gautam Bhat

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## Objective

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To secure a full-time job where I can apply my knowledge of computer science to solve challenging, real-world problems.

## Education

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**MASTER OF SCIENCE | MAY 2017 | BOSTON UNIVERSITY, GRADUATE SCHOOL OF ARTS AND SCIENCES | BOSTON, MA**

Major: Computer Science, GPA: 3.75/4.0

Relevant Courses: *Advanced Algorithms, Databases, Machine Learning, Computer Networks, Image and Video Computing, Software Engineering*

**BACHELOR OF TECHNOLOGY | JUNE 2015 | SHIV NADAR UNIVERSITY, SCHOOL OF ENGINEERING | INDIA**

Major: Computer Science and Engineering, GPA: 7.44/10

Undergraduate Thesis: *Detecting and Analyzing Communities in Social Network Graphs for Targeted Marketing* (Graph Theory and Social Network Analysis)

## Skills & Abilities

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- Proficient in: Java, PHP, Javascript, HTML, CSS, SQL, jQuery, Algorithms, Data Structures
- Familiar with: C, C++, Python, OpenCV, MATLAB, Git, Scikit-learn, Node.js, ReactJS, NoSQL, Deep Learning, Agile

## Experience

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**RESEARCH MEMBER | LEARNING, INTELLIGENCE + SIGNAL PROCESSING (LISP) | SEPTEMBER 2016 - PRESENT**

- Working on computer vision problems using deep learning techniques, in collaboration with affiliates of Boston University and Draper Laboratory.

**TEACHING ASSISTANT | DEPARTMENT OF COMPUTER SCIENCE, BOSTON UNIVERSITY | MAY 2016 - PRESENT**

- Worked as teaching assistant and grader for three courses, including graduate-level Machine Learning.
- Instructed two lab sections over the summer, and three in the fall, by preparing lab material and code, leading discussions, and holding office hours to help students understand concepts outside of class.

**SOFTWARE DEVELOPER (INTERN) | COLOREDCOW CONSULTING, GURGAON, INDIA | MAY 2014 – OCTOBER 2014**

- Worked in the back-end development of an online social portal for chefs looking to host parties and events, using Laravel framework for PHP.

**SUMMER INTERN | NCR CORPORATION, GURGAON, INDIA | MAY 2013 – JULY 2013**

- Created a skills repository web application and integrated it with LinkedIn APIs.
- Application served as an 'Expert Locator' for employees in the corporation.

## Relevant Projects

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- **Object Recognition and Tracking:** Utilized techniques in computer vision such as segmentation, thresholding, and template matching to identify and track objects in various scenes, as well as recognize hand gestures. (OpenCV)
- **NN-based Poker Bot:** Implemented a single-hidden layer feedforward neural network for poker hand classification, achieving 94.8% accuracy, and used it to devise a playing strategy against human opponents. (MATLAB)
- **Web-based Photo Social Sharing App:** Designed, implemented and documented a database system for a web-based photo social sharing application, as a part of a course project. (PHP, Javascript, MariaDB)
- **Fantasy Football:** Created an interactive fantasy soccer web application for the intra-university soccer league, with 20% of all students registering with the app within 24 hours. (PHP, Javascript, jQuery, MySQL)
- **Conference Room Booking System:** Developed a conference room booking web application for the university administration. (PHP, Javascript, jQuery, MySQL)
- **Music Management Utility:** Made a music management utility for bash shell, to search music, create playlists, and play songs via VLC extension, as a part of a course project. (bash script)