

# ANUBHUTI VYAS

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## EDUCATION

Northeastern University, Boston, MA

GPA – 3.5/4

College of Computer and Information Science

*Master of Science in Computer Science*

Coursework: Algorithms, Information Retrieval, Natural Language Processing, Managing Software Development

Activities: Secretary of Northeastern University Grad Women Coders

CTAE, Maharana Pratap University of Agriculture and Technology, India

Aug 2011 - July 2015

*Bachelor of Technology, Computer Science and Engineering*

Related Coursework: Algorithms, Data Structures, Object Oriented Programming, Database Systems, Operating Systems

## TECHNICAL SKILLS

**Programming Languages:** Java, J2EE, Spring, Python, C#, C++, JavaScript, jQuery, AngularJS, HTML, ReactJS, CSS, Bootstrap, Ionic

**Database:** MySQL, Oracle, MongoDB

**Software and Tools:** Git, Maven, Jenkins, Jira, SonarQube, Eclipse, PyCharm

**Platforms:** Linux, Windows, AWS, NoSQL Platforms

## WORK EXPERIENCE

Choate Hall & Stewart, Boston, MA

May 2018 - Present

*Software Engineer Co-op*

- Developing an interactive web application and **Outlook add-in** utilizing **AngularJS, JavaScript, C#, HTML, CSS** and **MySQL** to automate the process of scheduling meetings within the firm.
- Developing an *Enterprise Social Networking* mobile application using **Angular2, C#, Ionic framework** and **Firebase** to improve communication within the firm.

Tata Consultancy Services Ltd. (TCSL), India

Aug 2015 – June 2017

*Software Engineer*

- Developed responsive website with web accessibility by extensively utilizing **Java, JavaScript, AngularJS, HTML** and **CSS**.
- Followed **Agile methodology** for **Test-Driven Development** of project; used **Jira** for issue tracking and **Jenkins** for automated integration.
- Collaborated with clients for architecture design to improve user experience and implemented **SEO techniques** that accelerated load-time by 15%.

## ACADEMIC PROJECTS

Plagiarism Detector, Northeastern University, Boston, MA

Jan 2018 – Apr 2018

- Developing an interactive web application utilizing **Java, ReactJS, HTML** and **CSS** to detect code similarity among Python files.
- Leveraged **Spring Boot architecture** to implement algorithm for parsing Python source code into Abstract Syntax Trees and compare them; application is deployed on **AWS** and continuous integration is done using **Jenkins**, version control done using **GitHub**.

Search Engine, Northeastern University, Boston, MA

Sept 2017 – Dec 2017

- Developed a search engine using **Python** which allows users to search web pages relevant to the query.
- Analyzed web pages using **PageRank algorithm**, parsed, and stored as inverted index to facilitate proximity-enabled search.
- Incorporated features for query expansion using **pseudo relevance feedback**; scored and ranked relevant web pages using **BM-25, Query Likelihood** and **TF-IDF** models.

Image Steganography Tool, CTAE, India

Jan 2015 – Apr 2015

- Developed an application in **Java** to encrypt/decrypt information and then embedding/retrieving it from PNG images.
- Implemented **lossless compression techniques** that substitutes Least Significant Bit(LSB) of each byte of image pixel with the bits of information to be hidden in the image.

Remote Desktop Administration System, CTAE, India

May 2014 – Jul 2014

- Developed an application in **Java** for desktop sharing, controlling remote systems and file transfer using TCP/IP protocol.
- Implemented network processing using **Java Socket API** to establish a wireless connection or over the LAN.

## AWARDS AND ACHIEVEMENTS:

- Conferred “*Award of Excellence*” from client for consistent flawless deliveries.
- Awarded “*Young Achiever Award*” at Tata Consultancy Services.