

ANUBHUTI VYAS

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📄 <https://anubhutivyas.github.io/>

EDUCATION

Northeastern University, Boston, MA

GPA – 3.5/4

Master of Science in Computer Science

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

Activities: Secretary of Northeastern University Graduate Women Coders

CTAE, Maharana Pratap University of Agriculture and Technology, India

Aug 2011 - July 2015

Bachelor of Technology, Computer Science and Engineering

Coursework: Algorithms, Data Structures, Object Oriented Programming, Database Systems, Operating Systems, Theory of Computer Science, Computer Architecture, Network Security & Cryptography, Computer Networks

TECHNICAL SKILLS

Programming Languages: Java, 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 (*Software Engineer Co-op*)

May 2018 - Present

- Developing an interactive web application and **Outlook add-in** utilizing **Angular2, 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 (*Software Engineer*)

Aug 2015 – Jun 2017

- 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; implemented **SEO techniques** to accelerate load-time by 15%.

ACADEMIC PROJECTS

Predict Short Auto-replies for Emails, Northeastern University

Sept 2018 – Present

- Developing a deep learning NLP model to suggest auto replies from input emails using seq2seq multilayer LSTM.
- Using improved K-means algorithm to cluster and rank the stream of responses generated and present the highest ranked response in each cluster to the user.

Plagiarism Detector, Northeastern University

Jan 2018 – Apr 2018

- Developed 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 deployed on **AWS** and continuous integration done using **Jenkins**, version control done using **GitHub**.

Search Engine, Northeastern University

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

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.

AWARDS AND ACHIEVEMENTS:

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