

Prinesh Bansal

bansal.pr@northeastern.edu | (617) 320-9094 | Boston, MA | [linkedin.com/in/bansal-prinesh](https://www.linkedin.com/in/bansal-prinesh) | github.com/prineshbansal

EDUCATION

Northeastern University, Khoury College of Computer Sciences, Boston, MA Sep 2019 - May 2021

Candidate for Master of Science in Computer Science, GPA: 4.0/4.0

Related Courses: Algorithms, Programming Design Paradigms, Information Retrieval, Database Management Systems

University of Mumbai, Mumbai, India

Aug 2015 - May 2019

Bachelor of Engineering in Computer Engineering, GPA: 8.23/10.00

Related Courses: Object-Oriented Programming, Computer Networks, Operating Systems, Software Engineering

TECHNICAL KNOWLEDGE

Languages: Java, Javascript, Typescript, Python, SQL, HTML, CSS, C#

Frameworks & Tools: Java Spring Boot, JPA, React.js, Node.js, MongoDB, Mongoose, MySQL, Git, REST, ASP.NET, Azure DevOps, Amazon Web Services (EB, RDS, S3, Amplify)

WORK EXPERIENCE

Northeastern University, Boston, MA

Sep 2020 - Present

Graduate Teaching Assistant

- Assisted Prof. Mirek Riedewald for Theory of Computation by holding office hours for 49 students and grading weekly homework assignments.

Comcast, Atlanta, GA

June 2020 - July 2020

Information Technology Intern – Application Development

- Streamlined user's workflow by implementing Single Sign-On (SSO) authentication for ASP.NET & ASP.NET Core applications.
- Improved run time performance of internal applications by up to 20% and rectified existing bugs in these applications.
- Defined standards for future implementations of SSO & MFA for ASP.NET and ASP.NET Core applications.

PROJECTS

Health & Wellness Management System (Java, Spring Boot, MySQL, ReactJS, AWS, Git)

Apr 2020

- Developed a RESTful web platform by leveraging ReactJS, Spring Boot & JPA that can administer and track appointments, prescriptions, and other healthcare information pertinent to a hospital such as patient's medical history & doctor's availability.
- Deployed the MySQL database on AWS – RDS instance and the Spring Boot application on AWS - Elastic Beanstalk instance.
- Incorporated an API that fetched statistical information on the COVID-19 pandemic.

Image Processing Application (Java, Java Swing, JUnit, Git)

Dec 2019

- Developed a Java Swing application for applying various image filters like mosaic, blur, sharpen, greyscale, sepia & dither to images provided by the user.
- Incorporated an additional feature of generating images of flags and abstract patterns based on user specification.
- Designed the application using MVC design paradigm while adhering to SOLID principles to make the application scalable and easy to modify.

Naïve Bayes Text Classifier (Python)

Oct 2019

- Implemented a Naive Bayes classifier for sentiment analysis of movie reviews using different combinations of three smoothing techniques and two word features.
- Compared the accuracy of these combinations and proved that bigram word features with Laplace smoothing has the best performance.

Web Crawler (Python, BeautifulSoup)

Sep 2019

- Developed a Depth First Search web crawler using Python for crawling Wikipedia articles.
- Programmed the crawler to perform both unfocused and focused crawling using starting URL, depth factor and maximum number of articles to be collected as input parameters.