

# Prinesh Bansal

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## EDUCATION

**Northeastern University**, Boston, MA

Aug 2019 - Dec 2021

*Candidate for Master of Science in Computer Science*

Relevant Courses: Algorithms, Programming Design Paradigms, Web Development, Information Retrieval

**University of Mumbai**, Mumbai, India

Aug 2015 - May 2019

*Bachelor of Engineering in Computer Engineering*

## TECHNICAL KNOWLEDGE

**Languages:** Python, Java, JavaScript, C#

**Web / Frameworks:** Node.js, React.js, GraphQL, Spring Boot, JPA, .NET, .NET Core, Entity Framework

**Databases:** MongoDB, SQL Server, MySQL

**Tools:** Git, Heroku, AWS, Azure DevOps

## WORK EXPERIENCE

**Comcast**, Chicago, IL

May 2021 - Aug 2021

*Information Technology Intern, Application Development*

- Collaborated with a team of 3 to create an application that tracks the recovery of \$1.3 million worth of company equipment per quarter and reduces the man-hours associated with the process by 100 hrs annually
- Created backend API's using C# and .NET MVC and used Javascript, AJAX and jQuery for frontend interface
- Designed and implemented anonymous feedback feature for Comcast's Sponsored Services Vouchers application using C#, .NET Core and Javascript
- Implemented SSIS packages to fetch data from multiple databases and load them into a destination database
- Created SSRS Reports for delivering application insights to stakeholders on a weekly basis

**Cogitate Technology Solutions**, Atlanta, GA

Feb 2021 - May 2021

*Software Engineering Intern*

- Worked on Low Code/No Code configuration tool for Cogitate's DigitalEdge Insurance Platform
- Implemented backend REST API using C# and .NET 5 and created frontend interfaces for them using React.js
- Migrated API's from .NET Core 3.1 to .NET 5 and resolved any issues arising from change in frameworks

**Northeastern University**, Boston, MA

Sep 2020 - Dec 2020

*Graduate Teaching Assistant, Theory of Computation*

- Evaluated assignments, resolved queries and assisted professor with classroom instruction for upto 50 students

**Comcast**, Atlanta, GA

June 2020 - July 2020

*Information Technology Intern, Application Development*

- Streamlined user's workflow by implementing Single Sign-On user authentication for .NET applications
- Improved the run-time performance by 20%, investigated and resolved issues for an existing .NET application

## PROJECTS

**Plagiarism Checker**

Oct 2020 - Nov 2020

*Typescript, ReactJS, Express.js, ANTLR, Git*

- Designed a multi-file plagiarism detection application that supports languages like Java and Python
- Implemented two strategies for identifying similar solutions based on their Abstract Syntax Tree generated using ANTLR
- Incorporated the functionality of highlighting plagiarized code between two source files

**Recommender Systems for Trending YouTube Videos**

May 2020 - Jun 2020

*Python, PySpark, Numpy, Pandas, Beautiful Soup*

- Cleaned video descriptions and tags to improve accuracy of the recommender systems
- Implemented Collaborative and Content based filtering strategies and presented their shortcomings and advantages when applied to a real-world dataset

**Health & Wellness Management System**

Mar 2019 - May 2019

*Java, Spring Boot, MySQL, ReactJS, AWS, Git*

- Developed a RESTful web platform that can administer and track appointments, prescriptions, and other healthcare information pertinent to a hospital such as patient's medical history & doctor's availability
- Utilized AWS resources like Elastic Beanstalk and RDS instances for deploying the application