

# Ankit Yadav

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## EDUCATION

**Northeastern University**, Boston, MA

Jan 2018 – Dec 2019

College of Engineering

*Candidate for Master of Science in Information Systems*

**Related Courses:** *Application Engineering Developments, Program Structure and Algorithms,*

*Advances in Data Science & Architecture, Web Development Tools & Methods, Web Design, Smartphone based Web Development*

**Noida Institute of Engineering & Technology**, Greater Noida, India

Jul 2008 – Jun 2012

*Bachelor of Technology in Electronics & Communications Engineering*

**Related Courses:** *Data Structures in C, Object Oriented Programming, Digital Systems*

## TECHNICAL KNOWLEDGE

**Programming Languages:** Java, Python, Swift 5, PL/SQL, C#, C++

**Databases:** MySQL, Oracle, MongoDB

**Web Technologies:** Angular 7, NodeJS, JavaScript, ASP.NET Core, Spring, Hibernate

**Big Data Technologies:** Hadoop, Apache Spark, Hive, MapReduce

**Tools:** Anaconda, SQL Developer, Visual Studio, XCode 9, Maven, AWS EMR, AWS S3, Heroku, ANT, SVN

## ACADEMIC PROJECTS

**Restaurant Review Web Application**

Jan 2019- Apr 2019

*[Angular 7, NodeJS, REST API, Bootstrap, MongoDB]*

- Developed web application for users to have a portal to search and view restaurant details
- Integrated it with EatStreet API to retrieve restaurant details

**BookBugs- IOS App to share and review books**

Jan 2019- Apr 2019

*[Swift 5, XCODE 9]*

- Used Goodreads APIs to fetch books data and persisted them using Firebase database
- Implemented google and email sign in using Firebase Auth, used auto layout feature to make app reactive to various screen sizes

**Predicting the final rank in PUBG using Machine Learning models**

Sep 2018 – Dec 2018

*[Python, Machine Learning, Jupyter Notebook]*

- Used data preprocessing techniques to clean the dataset from Kaggle for machine learning models using Python
- Applied Naïve Bayes, Random Forest, Logistic Regression and got the accuracy of 75.8 % on test data using Random Forest Regressor

**IOT based Home Management System**

Jan 2018- Apr 2018

*[Java FX, Core Java, Java Swing]*

- Created IOT based home management system using ecosystem model using object-oriented design
- Implemented functionality that enabled users to automatically refill home supplies, book parking space using Google maps and event management

**Class Scheduler Using Genetic Algorithm**

Jan 2018 – Apr 2018

*[Java 8, Multithreading]*

- Used genetic algorithm to solve one of NP complete problem of time table scheduling
- Created a class scheduler using the given constraints like available class rooms, professors, student group size, courses and available time slots

## WORK EXPERIENCE

**Northeastern University**

Sep 2018 – Current

**Teaching Assistant- Program Structure & Algorithms**

*[JAVA | Algorithms | Data Structures]*

- Guided students through the coursework by arranging problem solving sessions and labs
- Assisted professor in preparation of lecture materials, quiz and assignments

**Tata Consultancy Services, New Delhi, India**

Dec 2012 – Dec 2017

**IT Analyst**

*[JAVA | Spring | MySQL | Hibernate]*

- Developed and supported prepaid and customer POS applications for Vodafone India on Java/J2EE platform
- Developed backend rest services for user management and prepaid payment portal using Spring boot and hibernate
- Gained exposure to complete software development life cycle including the phases of designing, developing, testing, deployment and support
- Automated customer issue resolution service which reduced the load on business users by 60% and reduced tickets count by 25%
- Lead the team and coordinated with IT head and business users for various business requirements