

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

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