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, Digitals Systems*

TECHNICAL KNOWLEDGE

Programming Languages: Java, Python, Swift 5, PL/SQL, C#, C++   **Big Data Technologies:** Hadoop, Apache PIG, Hive, MapReduce
Databases: MySQL, Oracle, MongoDB   **Web Technologies:** Angular 7, NodeJS, JavaScript, Spring, Hibernate
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, Node.JS, 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 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 | Graduate Teaching Assistant   Sep 2018 – Current
[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 | IT Analyst   Dec 2012 – Dec 2017
[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%
• Supported the project in domain of inventory, sales and solved the average of 100+ defect tickets per month

MENTORSHIP AND ACHIEVEMENTS

• Teaching Assistant, Algorithms and Data Structures coursework
• Conducted classroom and lab sessions on various topics of algorithm and data structures
• Lead a team of 10 employees at TCS during rollout of 4G services for our client Vodafone India