Samanjate Sood

https://www.linkedin.com/in/samanjate/

Available: May-Aug 2018

sood.s@husky.neu.edu

+1 (781) 952-0303

Boston, MA

Education

- **Northeastern University**, Boston, MA
  College of Computer and Information Science   *Sept 2016 – Present*
  Candidate for a Master of Science in Computer Science; GPA: 3.58   Expected Graduation: Dec 2018
  Specializations: Artificial Intelligence, Database Management, and Software Engineering.

- **UIET, Panjab University**, Chandigarh, India
  Bachelor of Engineering in Computer Science & Engineering   *May 2010 – Jun 2014*

Experience

- **Northeastern University**, Boston, MA
  Master's Assistant, College of Computer and Information Science   *Jan 2018 – Present*
  - **Database Design**: Grading assignments/projects and holding office hours to clarify subject related doubts.
  - **Auto Grader**: Developed a tool to automatically grade all of the students' assignments and tests.

- **Charles River Development**, Burlington, MA
  Software Engineer Co-op, Fixed Income Trading   *Jul 2017 – Dec 2017*
  - **Evergreen Repos**: Enhanced the CRIMS application functionality by adding support for Evergreen Repos.
  - **Re-factoring**: Re-factored the CRIMS application's Java code to split client, server, and utility code to improve the system's security, performance, and the overall design of the code.
  - **Source Code Analyzer**: Designed and developed a Java tool to parse Java code in text format to find all method invocations of a Java class from other Java classes.
  - **Scripts**: Wrote several Python scripts for analyzing the code dependencies to help estimate effort to re-factor it.
  - **Automation**: Developed automation tests to test the hedging workflows of the IMS application using Silk4Net.

- **Infosys**, Chandigarh, India
  Systems Engineer   *Jun 2014 – May 2016*
  - **Site Provisioning Tool**: Developed a tool to automatically create and provision SharePoint sites/sub-sites.
  - **Access App**: Created a SharePoint app that updated the user access level on the given SharePoint site/sub-site
  - **Text Replacement Tool**: Built an efficient tool to search and replace text for all the files in a directory.
  - **Bug Estimation and Fixing**: Improved the overall application experience by fixing several bugs.

  Systems Engineer Intern   *Feb 2014 – Jun 2014*
  - **University Website**: Designed and implemented different modules of a university website including a result management system, admission application system, and class enrollment system.
  - **Training**: Successfully completed training on Object Oriented Programming and SQL using .NET framework.

Projects

- **Plagiarism Detector**: Designed and developed an interactive tool that detects the degree of similarity between two pieces of Java code and visualizes the result.

- **Movie Review Website**: Designed and developed a website where users can rate/review the latest movies and TV shows. Users can also browse to find movies, TV Shows, and celebrities as all data auto-updates.

- **Information Retrieval Systems**: Implemented retrieval models BM25, TF.IDF, and Vector Space Cosine Similarity and compared the results of these models using different effectiveness metrics. Implemented Pseudo Relevance Feedback model to improve search engine results. Results were displaying using Luhn's algorithm.

- **Heterogeneous Earliest Finish Time**: Developed a task scheduler for bounded number of heterogeneous processors for task management focusing on minimizing task finish time.

Programming Skills

- **Languages**: Java, Python, C#, SQL, T-SQL, HTML, CSS, Javascript   **Technologies**: MEAN, REST, MVC
- **Tools**: Eclipse, Git, Perforce, Visual Studio, SharePoint   **Environments**: Windows, macOS