

Sanamdeep Singh

231 Park Drive, Apt 27, Boston, MA 02215 | singh.sa@husky.neu.edu | 617-785-5465
www.linkedin.com/in/sanamdeep

EDUCATION

Northeastern University, Boston, MA

College of Computer and Information Science, GPA: 3.61/4.0

Jan 2016 - present

Candidate for a Master of Science in Computer Science

Expected graduation: Dec 2017

Related Courses: Programming Design Paradigm, Database Management Systems,
Algorithms, Web Development, Managing Software Development

Shri Mata Vaishno Devi University, India

May 2013

Bachelor of Engineering in Computer Science, CGPA: 7.19/10.0

Related Courses: Data Structures, Database Management Systems, Software Engineering, Algorithms,
Artificial Intelligence, Information Retrieval, Computer/Human Interaction

Activities: Student coordinator for University Annual Technical festival -TITIKSHA 2012

TECHNICAL KNOWLEDGE

Languages: JAVA, C++, C, Racket

Web Technologies: HTML, CSS, AngularJS, NodeJS, Bootstrap, ASP.NET, Express.js, JavaScript,
Cordova, Ionic, Elastic Search

Database: MySQL, SQL Server, MongoDB

Software Tools: Eclipse, Visual Studio, JBOSS, APACHE, WEBLOGIC, Amazon Web Services(AWS)

Certifications: SUN Certified JAVA programmer, Data Structure and Algorithms

WORK EXPERIENCE

MassMutual

Jan 2017 - Jun 2017

Fabric Co-op

- Worked on revamping MM Home page.
- Created restful web api to read data from database and feed it to UI. Leveraged experimentation and research to propose user experience recommendations.
- Worked on Apache JMeter for analyzing and measuring performance during integration testing.

TATA Consultancy Services

Jan 2014 - Feb 2015

System Administrator

- Pioneered a unique application – “Connectos”, which perfectly blended frontend with backend to automate everyday tasks with an increased throughput of 20-30 percent.
- Reduced installation time of application by 50 min using scripts to automate manual processes and eliminate human errors.
- Collaborated with team to develop and maintain a mission critical Icalms WebLogic application server.

ACADEMIC PROJECTS

Information Retrieval Projects - <https://github.com/snmsoodan/Information-Retrieval>

Northeastern University Project, Boston MA

May – Aug 2017

- Implement document modeling, topic modeling and clustering on Elasticsearch index in Java.
- Built a logistic regression spam classifier on a testing dataset of 15 K documents with 99% accuracy.
- Implemented Page Rank algorithm on 90K web documents until convergence measured by Shannon entropy.

Student Activity Notification Application -<https://github.com/nivedita2015/CS5500Fall16-TeamEnrollment>

Northeastern University Project, Boston MA

Sept – Dec 2016

- Mobile application (IOS/Android) for students on campus to get notified about events based on geolocation tags. The cross-platform application is built in ionic on top of Cordova.
- The admins will use a mobile portal to push notifications to students about events based on student preference, recommendation and emergence.

Computer Simulation of Self Driving Car

Shri Mata Vaishno Devi University, Katra, India

Jan – May 2013

- Successfully implemented localization engine, path planner and smoothing algorithm during the project completion that used simultaneous localization and mapping techniques.

INDEPENDENT PROJECTS

Movie Search-<https://msearch.herokuapp.com/>

June – July 2016

- Developed a MEAN stack application that uses OMDb, Facebook API to help user search and discover new movies with similar interest.