

EDUCATION

Northeastern University, Boston, MA

College of Computer and Information Science

Master of Science in Computer Science, Grade: 3.75 / 4.0

Coursework: Programming Design Paradigm, Info. Retrieval, Algorithms, Data Mining, Web Development

Sept. 2017 – Present

Expected Graduation: Dec. 2019

Institute of Engineering and Technology, Lucknow, India

Bachelor of Technology in Computer Science and Engineering (C.S.E.)

Jul. 2010 – Jun. 2014

TECHNICAL SKILLS

Programming Languages	Java, Python, C++ (familiar), C (familiar), Racket
Web Technologies	HTML, CSS, JavaScript, jQuery, Bootstrap, React, Redux, ASP.NET
Frameworks	Spring Boot, Hibernate, Angular, Node, Flask, MATLAB, .NET framework, Win Forms
Databases	SQL, MySQL, MongoDB, Mongoose
APIs, Libraries	OpenCV, OpenGL, WebGL, Lucene, Amazon Web Services
Tools:	Git, IntelliJ, Eclipse, Maven, Atom, Visual Studio, Spring Tool Suite, Anaconda
OS:	Linux(Ubuntu), Windows

EXPERIENCE

Teaching Assistant

Northeastern University, Boston

Jan. – Apr. 2018

Tutoring Labs and conducting course-related doubt sessions for Computer Graphics (CS4300)

Project Intern

Forest Survey of India (Ministry of Environment & Forests), Dehradun

Jun. – Jul. 2013

- Optimized database; developed UI using C# and .NET framework for data collection and monitoring the disbursement of funds under the Integrated Forest Management Scheme, Govt. of India
- Digitizing fund disbursement process decreased man hours by more than 40%.

PROJECTS

Job Applications Manager | Northeastern University, Boston

May 2018 - present

Web app to organize and track your job search progress through insightful metrics | Angular, Node, MongoDB

Facial Recognition Login | Northeastern University, Boston

May 2018 - present

Login module using facial recognition and OAuth2.0 | React, Spring Boot, MySQL, Passport

Yelp Restaurant Recommendations | Northeastern University, Boston

Feb – Apr. 2018

Used collaborative filtering to recommend new restaurants to Yelp users, using ratings predicted from reviews | Python, NLTK, Jupyter Notebook

Java Search Engine | Northeastern University, Boston

Jan. – Apr. 2018

Implemented a Web crawler, Indexer, Query processor, Searcher, and evaluated performance of retrieval models like TF-IDF, BM25, Query Likelihood and Apache Lucene | Python, Java, Maven, Apache Lucene

Virtual Mouse | Under graduate major project, IET Lucknow, India

May – Aug. 2013

MATLAB Windows application to simulate mouse features like clicking & drag-and-drop using laptop webcam.

HACKATHONS AND AWARDS

- OvenBot – Display screen navigation and conversational assistant for the Blind | Won “making a meal” Accessibility challenge | PerkinsHack 2018 | Python, OpenCV, Google Cloud OCR API, Watson Speech API
- American Sign Language Interpreter | Won “Best use of Amazon Web Services” | HackWITus 2017
- Emotion Recognizing Music Player | HackBeanPot 2018 | Python, OpenCV, Flask, Microsoft Azure API
- Goju-Ryu Karate, Green-II Belt (4th Kyu) | International Academy of Martial Arts, India | Aug. 2015
- Academic Excellence Award – Silver Medal, 2nd rank in C.S.E. - 2014 batch during under-graduation | Jun. 2014