

Bishwarup Neogy

Boston, MA 02134 | Ph: (857) 472 – 9333
neogy.b@husky.neu.edu | bishneo.github.io/portfolio
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EDUCATION

Northeastern University, Boston, MA

Khoury College of Computer and Information Sciences

Candidate for Master of Science in Computer Science, GPA: 3.86/4.0

Related Courses: Programming Paradigm and Design, Foundations of Artificial Intelligence.
Algorithms, Robotics Science and Systems, Data Mining Techniques.

Sept. 2018 - Present

Expected graduation: May 2020

National Institute of Technology, Warangal, India

Bachelor of Technology in Electronics and Communication Engineering, GPA: 7.93/10

Related Courses: Data Structures, Computer Architecture, Object Oriented Programming,
Computer Networks.

Aug 2011 - May 2015

TECHNICAL KNOWLEDGE

Languages: C/C++, Java, JavaScript, ES6, HTML, CSS, Python, MySQL, MATLAB.

Technologies: Spring Boot, REST, React, Redux, Backbone, Dojo, Node, Pandas, Matplotlib, NLTK (familiar).

Operating Systems: Windows, Linux.

Others: Maven, POM, Jenkins, Selenium (familiar), Git, JIRA, Agile/Scrum (PSM-1), ARIA

WORK EXPERIENCE

Intralinks, Waltham, MA, USA

Application Development Intern

June 2019 – Present

- Developed accessible React-Redux applications and integrated them into existing backbone framework.
- Worked on both development and automation of features to facilitate the CI/CD process.
- Enhanced user experience by developing an AI (Topic Modeling) service to recommend documents to users.

Nokia Corporation, Bangalore, India

Senior Engineer

July 2015 – July 2018

- Redesigned UI of product with Materialize and Dojo to deliver an improved and uniform user experience.
- Reduced turnaround time of development by refactoring existing code using Spring Boot.
- Built a single page application as a POC using React, providing users an interface to optimize optical networks.

PROJECTS

Online Shoppers Purchasing Intention

June – Aug 2019

- Explored and analyzed a dataset of online shoppers to obtain useful insights using various visualization techniques.
- Built several models using different modeling techniques to predict customer's intention to buy a product.
- Applied SMOTE, RFE to improve performance of models and compared them using ROC curves.

Analysis of Path Planning Algorithms

Mar – Apr 2019

- Implemented and analyzed various path planning algorithms used in Robotics: A*, PRM, RRT, etc.
- Tested and compared algorithms by executing on simulations of various maze environments.

Neural Style Transfer – Analysis and Improvement

Nov – Dec 2018

- Implemented the Artistic Neural Style Transfer Algorithm formulated by Gatys. et. al. using CNN.
- Achieved an 18% noise reduction in output image by probing and combining activations of different layers of the VGG19 CNN for representing style.

Stock Exchange Learner

Dec 2018

- Built a user-friendly Stock Exchange tutorial application using Java and Swing.
- Used MVC design pattern to achieve separation of concerns along with command design pattern.

INTERESTS/ACTIVITIES

- Led team of six in an intra-company hackathon at Intralinks.
- Created an Emergency Caller android application during the BrickHack V Hackathon held at RIT, New York.
- Conducted a workshop on Raspberry Pi and Arduino for a group of ~40 undergrad students.