BISHWARUP NEOGY

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Available: **May – Dec 2019**

EDUCATION

Northeastern University, Boston, MA
Khoury College of Computer Sciences Sept. 2018 - Present
Candidate for a Master of Science in Computer Science, GPA: 3.83/4.0 Expected graduation: Dec 2020
Related Courses: Programming Paradigm and Design, Foundations of Artificial Intelligence. Algorithms, Robotics Science and Systems (currently enrolled).

National Institute of Technology, Warangal, India
Bachelor of Technology in Electronics and Communication Engineering, GPA: 7.93/10 May 2015
Related Courses: Data Structures, Computer Architecture, Object Oriented Programming, Computer Networks.

TECHNICAL KNOWLEDGE

Languages: C/C++, Java, JavaScript, HTML, CSS, Python, MySQL
Web Technologies: ReST, React, Redux, Materialize, Dojo, Node.js (familiar), Express.js (familiar)
Operating Systems: Windows, Linux.
IDEs: Eclipse, IntelliJ, VS Code, PyCharm.
Others: Spring Boot, Maven, POM, Jenkins, Git, JIRA, Agile.

WORK EXPERIENCE

Nokia Corporation, Bangalore, India July 2015 – July 2018
Senior Engineer

- Contributed to the development of a web application aimed at managing optical transport networks while working as a software developer in an agile environment.
- Redesigned UI of the product using JavaScript, Materialize and Dojo to improve User Experience and enhance uniformity with respect to look & feel across all components.
- Created a bundle containing two product releases using POM and Maven to demo future releases to customers for valuable feedback.
- Built a single page application as a POC using ReactJS for a new component of a web application intended for providing an interface for users to optimize existing optical networks.

ACADEMIC PROJECTS

Neural Style Transfer – Analysis and Improvement Nov – Dec 2018
Khoury College of Computer Sciences

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

Stock Exchange Learner Dec 2018
Khoury College of Computer Sciences

- 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.

Two level Biometric Recognition System Nov 2014 – April 2015
National Institute of Technology, Warangal, India

- Built a two-level biometric authentication system using the Raspberry Pi mini-computer using OpenCV.
- Employed morphology (mask) method for the Fingerprint recognition and Local Binary Pattern algorithm was used for face recognition.

INTERESTS/ACTIVITIES

- Created an Emergency Caller android application (server) during the BrickHack V Hackathon held at RIT, New York.
- Conducted a workshop on Raspberry Pi and Arduino to provide basic understanding of IOT, Robotics, Image Processing etc. to a group of 40 undergrad students.