Krit Goyal
Boston, MA | (857) 400-6135 | goyal.kri@husky.neu.edu | www.kritgoyal.com
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EDUCATION

Northeastern University, Boston, MA   Sept. 2018 - Present
Khoury College of Computer and Information Sciences   Expected graduation: Dec. 2020
Candidate for Master of Science in Computer Science, **GPA: 4.0./4.0**
Related courses: Programming Design Paradigm, Algorithms, Foundations of AI, Game AI

Birla Institute of Technology and Science(BITS) Pilani, Rajasthan, India   May 2017
Bachelor of Engineering in Electrical and Electronics Engineering, **GPA: 7.78/10**
Related courses: Machine Learning, Object Oriented Programming, Data Structures and Algorithms,
              Discrete Mathematics, Operating Systems

TECHNICAL KNOWLEDGE

Scripting:	Java, Python, C#, PHP
Front-end technologies:	React, HTML5, CSS3, JQuery, Oracle JET
Packages/IDEs:	Android Studio, IntelliJ IDEA, PyCharm, JDeveloper
Platforms:	Android, MacOS, Linux(Ubuntu, Fedora), Windows
Others:	git, MySQL

WORK EXPERIENCE

mHealth Research Group, Boston, MA
Graduate Research Assistant, Smartphone Programmer   Oct 2018 - Present
- Developed Android Wear and Mobile OS applications designed for Micro Ecological Momentary Assessments(μEMA)
- Collected data using in-built sensors, used MessageApi for inter-device communication, and firebase for database, storage and authentication

Samsung Research Institute, Noida, UP, India
Engineer I, Codec Team, Media Services   June 2017 - July 2018
- Developed POC for automatic camera mode selection in phone with Google's ML kit
- Created POC android app for in-place video editing using FFMPEG
- Built POC for storage efficient image file format for Android with help of CMake and Nokia's open source library

Oracle, Bangalore, India
Software Development Intern   June 2016 - Dec 2016
- Developed POC for Oracle JET integration with ADF for a faster, lighter and more responsive app UI
- Harnessed the power of OracleJET, a Javascript library bundle, to implement ad-hoc web page generation
- Deployed REST APIs using Java for new UI

SilicoSense Technologies, New Delhi, India
Software Development Intern   June 2016 - Nov 2016
- Built web app backend coupled securely with REST APIs using PHP and PDO
- Created and managed SQL database schemas for app data
- Built web crawler to scrape, collate and store data using sqlite and BeautifulSoup4(bs4) libraries in python

PROJECTS AND ACTIVITIES

Resource and Colony Management AI, Game AI, NEU   Mar - Apr 2019
- Developed an AI that can build a plan to get to a target resources stockpile and income. Also built a small resource management game for the AI to play. UI built using Unity, scripting in C#.

Emergency caller, Brickathon V, RIT, NY   Feb 2019
- Emergency calling android app which rings callee phone even if on silent/vibrate using Firebase Cloud Messaging

Neural Style Transfer: Analysis and Improvement, Foundations of AI, NEU   Nov - Dec 2018
- Studied, analyzed and reduced loss of neural style transfer using VGG network introduced by Gatys et. al.

Android App Development   April - Aug 2018
- Created android apps for SMEs to showcase and manage inventory. Used Firebase for user sign in and authentication, stored data in MongoDB Atlas with the REST APIs being served by a node JS server