

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 Oct 2018 - Present
Graduate Research Assistant, Smartphone Programmer

- Developed Android Wear and Mobile OS applications designed for Micro Ecological Momentary Assessments(μ EMA)
- Collected data using in-built sensors, MessageApi for inter-device communication, and firebase for database, storage and authentication

Samsung Research Institute, Noida, UP, India June 2017 - July 2018
Engineer I, Codec Team, Media Services

- 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 June 2016 - Dec 2016
Software Development Intern

- 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 June 2016 - Nov 2016
Software Development Intern

- 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

Emergency caller, Brickathon V, RIT, NY Feb 2019

- Emergency calling app rings callee phone even if on silent/vibrate by leveraging Firebase Cloud Messaging

Neural Style Transfer: Analysis and Improvement, Northeastern University Nov - Dec 2018

- Studied and analyzed neural style transfer introduced by [Gatys et. al.](#)
- Achieved 18% reduction in loss by modifying parameters and the set of convolutional layers in the VGG network

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