



# ADITHYA UPADHYA

MS CS, Virginia Tech (Expected 2019)

adithyau@vt.edu | 540-449-7524

 [linkedin.com/in/adithya-upadhyia](https://www.linkedin.com/in/adithya-upadhyia)

 [github.com/hkuadithya](https://github.com/hkuadithya)

## SUMMARY

---

Two years of professional experience in Android and Server-Side development. Research experience includes Parallel computing, Image processing and Data security. Strong exposure towards Software Development and Debugging.

## EDUCATION

---

<b>2017-2019 (Expected)</b>	MS Computer Science	Virginia Tech, Blacksburg	N/A
<b>2011-2015</b>	B.Tech Computer Science	NITK Surathkal, India	CGPA 8.22/10

## PROFESSIONAL EXPERIENCE

---

**Software Development Engineer I** July 1, 2015 – March 31, 2017  
**Snapdeal** Bangalore, India

- Designed and developed important components of Snapdeal Seller Zone & Key Account Manager Android Apps
- Developed Rest APIs that served more than 50,000 customers through the IOS and Android mobile platforms
- Implemented JUnit test suites to eliminate critical bugs and proactively supported production releases
- Optimized performance and fixed memory leaks using 'Eclipse Mat' & 'Leak Canary' libraries

**Software Engineering Intern** May 12, 2014 – July 14, 2014  
**ARM** Bangalore, India

- Developed a fully functional Review Management Software prototype using Perl and MySQL
- Replaced the third party Review Mgmt. Software with an in-house developed customizable tool
- The tool enabled the automation and integration of Review Mgmt. process with the central ARM network

## PROJECTS

---

- Movie Maniac Android App - **Open Source** ([Github](#)) ([Google Play Store](#))
- GPU Accelerated NLM and NLML denoising Algorithms - **Open Source** ([Github](#))
- Asteroids Interactive Single Player Game using Python
- Population growth and Wheat production predictor (MATLAB, Supervised learning)
- Ruzzle Game Solver using TRIE datastructure

## PUBLICATIONS

---

1. GPU implementation of non-local maximum likelihood estimation method for denoising magnetic resonance images. (First Author). Publisher: Springer, Journal of Real-Time Image Processing. [Springer Journal](#)
2. Secure Data Management – Secret Sharing Principles Applied To Data Or Password Protection. (First Author). Publisher: Computation and Communication Technologies, De Gruyter. [Conference Paper](#)

## TECHNICAL SKILLS

---

- Java, C++, Python, Matlab, Nvidia CUDA
- Android, Spring, Hibernate, Redis, Aerospike
- Git, IntelliJ, Android Studio, Eclipse