


ADITHYA UPADHYA

MS CS, Virginia Tech (2017-19)

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SUMMARY

Two years of industry experience in Server-Side (backend) and Android development. Research papers published in the field of Parallel Computing and Data Security. Active contributor to the Open Source community.

EXPERIENCE

Android & Backend Engineer, Snapdeal

July 2015 – March 2017 (2 years)

Tools: Android, Java, Spring, Hibernate, Rest APIs

Bangalore, India

- Developed components of two Android apps; Snapdeal Seller Zone & KAM app
- Deployed mobile Rest APIs built using Spring framework that served 50,000 customers
- Reduced memory leaks drastically and improved app stability using Leak Canary and Eclipse MAT

Engineering Intern, ARM

May 2014 – July 2014 (3 months)

Tools: Perl, MySQL, Shell, Linux

Bangalore, India

- Developed a Review Management application using Perl & MySQL
- Facilitated the automation and integration of application with the central ARM network
- Replaced the third party Review management software with an in-house developed RMS

PROJECTS

- **Team Silver Medal** – General Dynamics Data Analytics competition - **Open source**
URL Sentiment analysis and Content Classification using Google Natural language API ([Github](#))
- Movie Maniac Infotainment Android App - **Open source** ([Play Store](#)) ([Github](#))
- GPU Accelerated NLM and NLML denoising Algorithms - **Open source** ([Github](#))
- Asteroids Interactive Single Player Game using Python
- Ruzzle Game Solver using TRIE datastructure`

TECHNICAL SKILLS

- Java, Python (Numpy, Pandas), C++, Matlab, Nvidia CUDA
- Android, Spring, Hibernate, Redis, Aerospike, MySQL
- Git, IntelliJ, Android Studio, Eclipse, Rest APIs

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](#)

EDUCATION

2017-2019 (Expected)

MS Computer Science

Virginia Tech, Blacksburg

N/A

2011-2015

B.Tech Computer Science

NITK Surathkal, India

CGPA 8.22/10