**ADITHYA UPADHYA [](https://in.linkedin.com/in/adithya-upadhya)**[linkedin.com/in/adithya-upadhya](https://in.linkedin.com/in/adithya-upadhya)

MS CS, Virginia Tech (2017-19) [C:\Users\hkuad\Desktop\GitHub-Mark\PNG\GitHub-Mark-32px.png github.com/hkuadithya](https://github.com/hkuadithya)

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**SUMMARY**

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

**EXPERIENCE**

**Facebook, Software Engineering Intern** May 2018 – August 2018

***Tools****: Android, Hacklang, GraphQL, Litho, Nuclide* Menlo Park, CA

* Developed components for the Facebook Android app; Local Crowdsourcing platform
* Implemented backend services using Hacklang and GraphQL for supporting mobile apps
* Contributions to the platform led to improvement in user engagement and overall answer volume

**Snapdeal, Android & Backend Engineer** July 2015 – April 2017

***Tools****: Spring, Android, Hibernate, Aerospike, MySQL* 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

**PROJECTS**

* **Team Silver Medal** – General Dynamics Data Analytics competition - **Open source**

URL Sentiment analysis and Content Classification using Google Natural language API ([GitHub](https://github.com/hkuadithya/general-dynamics-data-analytics))

* Movie Maniac Infotainment Android App - **Open source** ([Play Store](https://play.google.com/store/apps/details?id=com.adithyaupadhya.moviemaniac&hl=en)) ([GitHub](https://github.com/hkuadithya/MovieManiac))
* GPU Accelerated NLML MRI denoising Algorithm - **Open source** ([GitHub](https://github.com/hkuadithya/CUDA-NLML-MRI-Denoising))
* Augmented Reality simulation of Schizophrenia using Unity and Vuforia SDK

**TECHNICAL SKILLS**

* Java, Python, C++, Hacklang, Nvidia CUDA, Matlab
* Android, Pandas, Scikit-learn, Spring, GraphQL
* MySQL, Aerospike
* Git, Mercurial, IntelliJ, Visual Studio

**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](https://link.springer.com/article/10.1007%2Fs11554-015-0559-6)
2. Secure Data Management – Secret Sharing Principles Applied To Data Or Password Protection. (First Author). Publisher: Computation and Communication Technologies, De Gruyter. [Conference Paper](https://www.degruyter.com/view/books/9783110450101/9783110450101-020/9783110450101-020.xml)

**EDUCATION**

**2017-2019**  MS Computer Science Virginia Tech, Blacksburg

**2011-2015** B.Tech Computer Science NITK Surathkal, India