ADITHYA UPADHYA

MS CS, Virginia Tech (2017-19)

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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 technologies.

EXPERIENCE

Facebook, Software Engineering Intern   May 2018 – Present

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

- Developed components for the Facebook Android app; Crowdsourcing platform
- Implemented backend services using Hacklang and GraphQL for supporting Android platform
- 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)
- Movie Maniac Infotainment Android App - **Open source**   (Play Store) (GitHub)
- GPU Accelerated NLML MRI denoising Algorithm - **Open source**   (GitHub)
- 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

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	MS Computer Science	Virginia Tech, Blacksburg	3.86 / 4
2011-2015	B.Tech Computer Science	NITK Surathkal, India	8.22 / 10