SOURABH SHETTY
SOFTWARE DEVELOPER
INTERNSHIP / SUMMER 2018

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EDUCATION

Virginia Tech   2017 – Expected 2019
Master of Science in Computer Science

University of Pune   2011 – 2015
Bachelor of Engineering in Computer Engineering   First Class

EMPLOYMENT

ContentSphere Technologies India Pvt. Ltd.   Pune
Senior Software Developer I   April 2017 – July 2017
Junior Software Developer   February 2016 – March 2017
- Built a media server using **Python** and **Django**, that interfaced with swiftclient, FFmpeg, Ghostscript and ImageMagick, that could receive and save multiple formats of media (images, videos, and documents) and also convert them to browser-renderable formats.
- Created numerous front-end modules using **JavaScript** and **ReactJS** using the **Flux** architecture.
- Set up an event-based email notification system in **Java** within the **Spring** framework.
- Developed a POC using **TensorFlow** to automatically classify and tag images uploaded to the media server.
- Set up Linux servers to support required software, identified and extended open source libraries to fit project requirements, and assisted in the training of new recruits.

Freelance   Dubai/Pune
Developer   June 2015 – February 2016
- Built apps and wrote scripts for web, mobile and desktop.

PROJECTS

Argus

An **Android** application written in **Java** for remotely monitoring and securing a desktop. Features include the ability to remotely lock or shutdown a computer, restrict USB access, get screenshots of what the potential perpetrator is doing on your system, and taking a picture of said perpetrator using the webcam of the system. Devices are registered to a mobile phone with a simple QR code generated on the remote machine.

Locus for Instagram / Mapster

An **Android & web application** to find Instagram pictures posted near your current location or anywhere in the world by clicking on a map, developed before Instagram implemented location-based searching in their own app. The Android was made using **Java**, the **Android SDK**, its **location APIs**, and the **Instagram REST API**. The web app was made as part of a previous project that I developed while taking Harvard's online offering of the massively popular CS50 course, built using **HTML**, **CSS** (with **Bootstrap**), **JavaScript** (and **Jquery**), **PHP** and **SQL**.

Smaller Projects and Scripts
- GUI tool in **C#** to change the OEM information displayed in Windows' System properties.
- **Python** scripts: to parse game save files for Crusader Kings 2, to scrape university results, to upload gif images to gfycat in bulk
- **Android** App: to scrape IMDb pages to display all relevant information for a movie since the mobile site was very minimal.
- Website front end design projects for local and international clients I found online.
- Coursework related projects in various languages for MOOCs taken on Coursera, edX and Udacity.

ACHIEVEMENTS

Winner (First Place)
Coding competitions held at:
- AIT, 2013: Rigorous algorithmic programming competition organized by Druva.
- DYPSOET, 2014: Three rounds - MCQ, blind coding and algorithmic programming. Acquired highest points in all three rounds.
- HackTricks Zonal Lag, 2013: Winner of the zonal lag of HackTricks, an ethical hacking competition conducted by IIT Bombay and Wegilant.
- DYPSOE, 2013: A programming competition organized by the college's chapter of ACE.

Finalist
- IIT Bombay TechFest - HackTricks: A hacking competition featuring participants from all over the country.
- SEED IT Idol Pune: A C programming competition with over 20,000 participants. Top 10 finalist.

TECHNICAL SKILLS

Comfortable with: **Python, Java, JavaScript, C, Android, HTML, CSS, ReactJS, Jquery, Processing, SQL, Git, Linux, Windows**
Some familiarity with: **C++, PHP, C#, Scala, Racket, Ruby**