SOURABH SHETTY
SOFTWARE DEVELOPER

✉ sourabhshetty@gmail.com 📞 (540) 449-7766
🌐 sourabh.io 📍 Blacksburg, VA
in linkedin.com/in/sourabhshetty ⌂ github.com/thesourabh

EDUCATION

Virginia Tech Expected May 2019
Master of Science in Computer Science
Graduate Teaching Assistantship, Research Assistantship

University of Pune May 2015
Bachelor of Engineering in Computer Engineering

EMPLOYMENT

MicroStrategy Tysons Corner
Software Engineer Intern May 2018 – August 2018
- Worked in the new Narratives team, responsible for adding natural language generation as a new visualization plugin.
- Enhanced the functionality of the plugin using **JavaScript** and the Narrative Science **REST API** and increased the effective speed by **400%**.

ContentSphere Pune
Senior Software Developer I February 2016 – July 2017
- Built a media server using **Python** and **Django** that interfaced with swiftclient, FFmpeg, Ghostscript, and ImageMagick, and could receive and save multiple formats of media (images, videos, and documents) and convert them to browser-renderable formats.
- Created front-end modules using **JavaScript** and **ReactJS** using the **Flux** architecture for business logic, and **HTML and CSS (SCSS)** for UI.
- 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, extended open source libraries to fit project requirements, and helped train new recruits.

Virginia Tech Blacksburg
Graduate Teaching Assistant November 2017 – May 2018
- TA for the junior-level full stack web development course "Introduction to GUI Programming and Graphics" taught by Prof. Kurt Luther in the Department of Computer Science, where students had to work with wireframes, **HTML**, **CSS**, **JavaScript**, **PHP**, and **Amazon Web Services**.
- RA for the Pamplin College of Business which involved finding and scraping data from the SEC website using **Python**.

TECHNICAL SKILLS

Comfortable with: **Python, Java, JavaScript, C, Android, HTML, CSS, ReactJS, SASS, JQuery, SQL, Git, Linux, Windows, MacOS**
Some familiarity with: **C++, PHP, C#, Unity, Processing, D3, Scala, Racket, Ruby**

PROJECTS (More information and projects on LinkedIn, GitHub, and my website)

Argus
An **Android** application written in **Java** for remotely monitoring and securing a desktop. Includes the ability to remotely lock or shutdown a computer, restrict USB access, get screenshots of what the potential perpetrator is doing on the system, and taking a picture of the perpetrator using the system's webcam.

16 Squares of Blacksburg
An augmented reality application built using the **Unity** and **Vuforia** SDKs and written in **C#**, visualizing the history of the city of Blacksburg.

Panacea
An **Eclipse** plugin written in **Java** that automatically detects insecure code and security-related bugs in development code and suggests fixes for them.

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. Technologies used: **Java**, the **Android SDK**, its **location APIs**, the **Instagram REST API, HTML, CSS (with Bootstrap), JavaScript (with Jquery), PHP and SQL.**

OEM Info Editor
A portable tool built using **C#** in **Visual Studio** to allow users to add and/or edit fields in the Windows System properties view.

Other Projects and Scripts
- **Python** scripts: to parse game save files for Crusader Kings 2, to scrape university results, and to upload gif images to gfycat in bulk
- Coursework related projects in various languages for MOOCs taken on Coursera, edX and Udacity.

ACHIEVEMENTS AND HACKATHONS

Winner (First Place): Coding
Competitions by AIT, Druva, DYPSOE, and Wegilant.

Finalist
IIT Bombay TechFest, SEED IT Idol Pune

Hackathons
VTHacks, Hack the North, BuildToLearn