

SOURABH SHETTY

SOFTWARE DEVELOPER

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EDUCATION

Virginia Tech

Master of Science in Computer Science

Expected May 2019

University of Pune

Bachelor of Engineering in Computer Engineering

May 2015

EMPLOYMENT

MicroStrategy

Software Engineer Intern

Tysons Corner

May 2018 – August 2018

- Worked in the new Narratives team, responsible for adding natural language generation capability into the MicroStrategy business intelligence and analytics platform as a new visualization plugin.
- Enhanced the performance and functionality of the plugin using **JavaScript** and the updated Narrative Science **REST API**.

Virginia Tech

Graduate Teaching Assistant

Blacksburg

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 in the Department of Accounting & Information Systems, which involved finding and scraping data from the SEC website using **Python**.
- TA at the Pamplin College of Business in the Department of Business Information Technology, to advise students on all technology-related problems they had while building their final software projects.

ContentSphere

Senior Software Developer I

Pune

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.

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.

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**.

Other Projects and Scripts

Eclipse plugin in **Java** to scan for insecure code and automatically suggest fixes, 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, and to upload gif images to giphy in bulk, Coursework related projects in various languages for MOOCs taken on Coursera, edX and Udacity.

ACHIEVEMENTS

Winner (First Place)

Coding competitions conducted by AIT, Druva, DYP SOE, and Wegilant.

Finalist

IIT Bombay TechFest, SEED IT Idol Pune