Sourabh Shetty

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EXPERIENCE

Software Engineer @ **Bloomberg**
JUNE 2019 - PRESENT **// NEW YORK**

Software Engineer Intern @ **Microstrategy**
MAY 2018 - AUGUST 2018 **// TYSONS CORNER**

- ➔ Created a natural language generation plugin for the Microstrategy software suite.
- ➔ Enhanced the functionality of the plugin using **JavaScript** and the Narrative Science **REST APIs**.
- ➔ Increased the effective speed by **400%,** by eliminating a significant bottleneck and redundant function calls.

Senior Software Developer @ **ContentSphere**
FEBRUARY 2016 - JULY 2017 **// PUNE**

- ➔ Wrote business logic and front-end modules in **React** and **JavaScript**, with **HTML** and **CSS (SCSS)** for UI.
- ➔ Built a complete media server using **Python** and **Django**.
- ➔ Set up an event-based email notification system using **Java**.
- ➔ 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.

Graduate Teaching/Research Assistant @ **Virginia Tech**
NOVEMBER 2017 - MAY 2019 **// BLACKSBURG**

- ➔ RA for a **NASA-funded** project involving simulating fabrics for use in space.
- ➔ TA for a web dev course to help students learn about **wireframes, HTML, CSS, JavaScript, PHP, and Amazon Web Services**.
- ➔ RA for the Pamplin College of Business working to obtain usable data from the Securities and Exchange Commission (SEC) archives using **Python**.

PROJECTS

Argus — An **Android** application written in **Java** for remotely monitoring and securing a desktop. Includes the ability to remotely lock or shut down 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 (AR)** application built on **Unity** using the Vuforia SDK and written in **C#**, visualizing the history of the city of Blacksburg and incorporating a variety of interaction techniques.

Panacea — An Eclipse plugin written in **Java** that automatically detects insecure code and security-related bugs in a project 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.

EDUCATION

Virginia Tech
Master of Science
Computer Science
MAY 2019 **// BLACKSBURG**

Funded by Graduate Research Assistantship and Graduate Teaching Assistantship

University of Pune
Bachelor of Engineering
Computer Engineering
MAY 2015 **// PUNE**

TECHNICAL SKILLS

Comfortable with: Python, React, JavaScript, Java, Flask, C#, ASP.NET, C, Android, HTML, CSS, Chef, SASS, JQuery, SQL, Git, Linux, Nginx, Django, REST APIs.

Some familiarity with: Swift, C++, PHP, Unity, Processing, D3, Scala, Racket, Ruby, AWS.

COMPETITIONS AND HACKATHONS

Winner (First Place)

Coding competitions conducted by AIT, Druva, DYPSOE, and Wegilant.

Finalist

IIT Bombay TechFest, SEED IT Idol Pune

Hackathons

VTHacks, Hack the North, BuildToLearn

OTHER PROJECTS AND SCRIPTS

- ➔ **Python** scripts:
  - ➔ to parse game save files for the game Crusader Kings 2
  - ➔ Scrape university results
  - ➔ Bulk upload GIFs to gfycat.
- ➔ A portable tool built using **C#** in **Visual Studio** to allow users to add and/or edit fields in the Windows System properties view.
- ➔ Coursework related projects in various languages for MOOCs taken on Coursera, edX and Udacity.