

SHRUTI SHETTY

(540) 449-7745 | www.linkedin.com/in/shrutikshetty | shruti@vt.edu

Objective: Seeking full-time software developer positions starting June 2019.

EDUCATION

Virginia Polytechnic Institute and State University, Blacksburg, VA	Aug 2017 - May 2019
<i>Master of Science, Computer Science</i> (GPA: 3.51/4)	(Expected)
Pune Institute of Computer Technology, University of Pune, India	Aug 2012 - May 2016
<i>Bachelor of Engineering, Computer Engineering</i>	

WORK EXPERIENCE

Virginia Tech, Blacksburg, VA	Aug 2018 - present
<i>Graduate Research Assistant</i> (funded by Dr. Godmar Back)	
<ul style="list-style-type: none">Designed a visual, decision support component using vx.js to explore Bayesian Belief Networks (BBNs) developed to predict the water quality based on survey data.Implemented using ReactJS on the front-end and a traditional REST architecture in Python/Flask.	
<i>Graduate Teaching Assistant</i> (funded by the ECE department)	Jun 2018 – Jul 2018
<ul style="list-style-type: none">Assisted students with their assignments for Introduction to Computer Engineering (ECE-2504) and Digital Design I (ECE 3544).	
Mobiliya (now QuEST Global Company), Pune, India	Jun 2016 - Jul 2017
<i>Software Developer</i>	
<ul style="list-style-type: none">Worked on cloud-based management solutions as a contractor with HP.Implemented REST APIs using Ruby on Rails and MySQL, and unit tests in RSpec.Leveraged Amazon Web Services(AWS) for event-based data analytics.Gained experience with DevOps tools like Git and Jenkins for code deployments.	

PROJECTS

PostMasters for United Postal Services (Data Visualization project)	Fall 2018
<ul style="list-style-type: none">Dataset comprised store locations and populations densities across the US.Created geo-visualizations and sparklines using d3.js, node.js, HTML, and CSS.Utilized Python's pandas toolkit and Jupyter notebooks to clean and aggregate data.	
Hot Pursuit (ML project)	Fall 2018
<ul style="list-style-type: none">Implemented adversarial networks using the pix2pix model and Keras API.Objective of this project was to augment the depth analysis of RGB images, captured by self-driving cars, by generating thermal images.	
16 squares of Blacksburg (AR project)	Spring 2018
<ul style="list-style-type: none">Implemented an augmented reality app based on the history of Blacksburg with the help of Unity and Vuforia.Incorporated multiple interaction techniques to improve user experience.	
Global Event and Trend Archive Research (Search and retrieval project)	Fall 2017
<ul style="list-style-type: none">Implemented topic modelling using LDA on tweets related to hurricanes.Wrote code for HBase integration to pull and write data using HappyBase	
Employee Behavior Monitoring (Data analytics project)	Fall 2017
<ul style="list-style-type: none">Implemented logistic regression, using MATLAB, on 11 filtered predictor variables from a dataset of over 1000 employees to predict behavior of the employees. Visualized the results using the Gephi tool.	

TECHNICAL SKILLS

ReactJS	Python	MySQL	RESTful API Design
HTML	Java	JavaScript	Agile/Scrum
CSS	Ruby	Ruby on Rails	Micro-service arch.