

Shweta Purushe

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Objective: Seeking a full-time position in an esteemed organization where I can hone my skills and acquire new ones

Experience:

Software Developer at *Weave Visual Analytics* (February 2016 – August 2016)

- Designed and implemented framework for customized dashboards using Weave avascript, ReactJS, HTML5, CSS3, Webpack, Babel,Npm
 - Martin's Point Health Care (MPHC) : Dashboard for rapid visualization report generation of an internal health risk score model system
 - ELM, Kingdom of Saudi Arabia : Dashboard for navigation and querying geographical and national indicator hierarchies
- Development of visualization tools for Weave 2.0 using Typescript, ReactJS, HTML5, CSS3, Grunt, Browserify, Npm.

Chief Architect / Doctoral Thesis at *Institute of Visualization and Perception Research* (August 2012 - December 2015)

- **Weave Analyst:** Designed and implemented an open source visual analytic platform enhancing analytic power of visualizations from computations run in external statistical engines such as R, Python and Stata using Javascript, AngularJS, Java, R, Python, Stata.

Software Developer / Research Assistant at *IVPR* (December 2009 – December 2015)

- Design and implementation of a open source visual analytic platform that allows flexible integration of visualization and computational libraries for improved visual analytics of data
- Created an 'R project' package with the 'Weave' platform ported as a visualization widget using the 'htmlwidgets' framework in Javascript and R.
- Design and implementation of analytic support for visualizations in WEb-based Analysis and Visualization Environment (Weave), using ActionScript 3, JAVA and R.
- Design and Implementation of a R-Script editor for running and using R computations from Weave using ActionScript 3, JAVA and R .
- Implementation of an interactive Ramachandran Plot in Weave through a Protein Data Bank web-service for plotting secondary structures of proteins using ActionScript 3 and JAVA

Languages: TypeScript, Javascript, HTML5, CSS3, JAVA, R, Python

Frameworks: ReactJS, AngularJS, Flex4.5

Techniques: AJAX, Object Oriented Design, Agile, Software Development Life Cycle

Database: MySQL

Tools(IDEs): Eclipse, Webstorm, Flash Builder 4.7

Education:	Ph.D. Biomedical Engineering and Biotechnology	(2009 - 2015)
	<i>University of Massachusetts, Lowell, MA</i>	
	M.Sc. Microbiology	(2006-2008)
	<i>University of Pune, Pune, India</i>	
	B.Sc. Microbiology	(2003-2006)
	<i>University of Pune, Pune, India</i>	