Priya Balachandran Mary
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EDUCATION

University at Albany, State University of New York **August 2014 - May 2016**
Masters of Science in Computer Science GPA: 3.85 / 4.00

University of Mumbai, Mumbai, India **July 2007 - June 2011**
Bachelor of Engineering in Information Technology GPA: 3.69 / 4.00

TECHNICAL SKILLS

Languages	Python, R, JavaScript, SQL, Java
IDE(s)	Eclipse, Android Studio, RStudio, IntelliJ, Atom, Sublime Text, PyCharm
Databases	SQL Server, Oracle, PostgreSQL, MongoDB, MySQL Server
Web Tech. & Frameworks	HTML5, CSS3, Bootstrap, Angular JS, D3js, Flask
Operating Systems	Mac OS X, Windows, Linux

WORK EXPERIENCE

SUNY Research Foundation/ Rockefeller College of Public Affairs & Policy **August 2014 - present**
Languages: R, Technologies: AWS EC2

- Developed an open source Pension Simulation Calculator and using R as the primary programming language.
- Added capabilities to build synthetic populations which follows uniform or any custom distributions using plotly.
- Developed a website using the Shiny package, incorporated Bootstrap themes & hosted the application on an AWS EC2 instance.

Larsen & Toubro InfoTech, India **Jun 2011- July 2014**
Technologies: PeopleSoft Applications, PeopleTools, Databases: Oracle, SQL Server

- Developed Data Mover scripts & a monitoring system to send alerts whenever a database backup or batch process failed.
- Released 3 different production environments after tools patching and a tools upgrade.
- Configured DEV, Test, UAT & PROD environments and trained interns in the team on PeopleSoft administration skills.

PROJECTS

Cuisine Classifier **January 2017**
Languages: Javascript, Python; Frameworks: AngularJS, D3js, Flask; Database: MongoDB
Classified recipes to cuisines based on it's ingredients using a Custom Multinomial Naives Bayes prediction model.

Study of Diffusion in Networks *(Languages: R, Libraries: igraph, plotly)* **August 2015**
Developed a tool to study the spread of a contagion in Erdos-Renyi networks and power law distribution networks.

Furniture World *(Languages: Java; Database: MySQL Server)* **January 2015**
Designed an e-commerce application for home furnishings taking care of inventory, provided shopping cart.

Symptom Tracker *(Languages: Python, PHP; Technologies: HighCharts, Database: MySQL Server)* **January 2015**
Built an online tool to detect disease outbreaks in the United States from tweets in the twitterspace across 1217 major cities & returned statistical data and visualizations on the number of using Python and Highcharts.

Learning to discover Social Circles *(Languages: Matlab, Python)* **August 2014**
Generated an automated solution for detecting social circles in social networking sites using k-way partitioning & similarities between each pairs of friends. Achieved faster rate of execution and a higher F1 score than baseline.

Analyze That Network Analyzer *(Languages: Python, Java; Technologies: Wireshark)* **August 2014**
Developed a tool for determining Wi-Fi availability and wireless network congestion by collecting data from WAPs and using WireShark logs.