

Sharayu Shenoy

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EDUCATION

Masters of Science, Information Science, Graduating December 2019

The University of Texas at Austin

Overall GPA: 3.95/4.00

Relevant Coursework: Human-Computer Interaction, Advanced Design of AI, Machine Learning, Virtual Environments, Statistical Analysis, Applied Statistics, Advanced Visualization Environments

Bachelor of Engineering, Electronic & Telecommunications Engineering, Graduated July 2014

University of Mumbai

EXPERIENCE

Research and Development Intern, Instana Inc., Jun 2019 – Present

- Researching methods to best visualize their existing Application Dependency Map, with large clusters of data, based on various factors such as coherence, usability, information architecture etc.
- Design and Implement a PoC in React such that it can be seamlessly plugged-into the existing application.

Graduate Research Assistant, Energy Institute, University of Texas at Austin, Sept 2018 – May 2019 (9 months)

- Held a full time GRA position to develop a web application for a non-profit focused on Texas energy and poverty.
- Creating a comprehensive and user-friendly portal of information on publications, websites, and other resources that are specific to the topics of energy and poverty in Texas and the nation.

Graduate Assistant, International Office, University of Texas at Austin, Jun 2018 – Aug 2018 (3 months)

- Data Analyst position for the Study Abroad Office at the International Office. Worked on cleaning the data for annual report for Study Abroad.
- Used Power BI to visualize and represent data collected from multiple divisions within UT.

Senior Systems Engineer, Infosys Ltd, Jul 2014 – Nov 2017 (3.5 years)

- Consultant for an Investment Banking Company. Worked on three major projects for Regulatory Operations
 - Received three professional awards for my contribution and innovation.
 - Mentored and managed a team of six fresh graduates to deliver a critical project in six weeks.
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SKILLS

Languages	: Java, Python
Web Technologies	: React, Angular, HTML, PHP, Laravel, Java Script, jQuery, D3.js, Three.js
Databases	: Oracle, DB2, MySQL, Neo4j (Graphical DB)
Data Visualization, Modelling & RM Tool	: Power BI, Camunda BPMN, Signavio, Blueprint
Design Tool	: Sketch, Invision, Figma
ML Libraries	: Scikit-learn, Pandas, Tensorflow, Matplotlib, NumPy, NLTK

ACADEMIC PROJECTS

1. (GRA) Energy Poverty Clearing House

- Building a Web-based application to inform stakeholders and the general public on all the trending issues, technologies and services related to low-income energy burdens in America.
- Technical Lead, worked on server set-up, database design and web design and development.
- Website: <http://energy-poverty.info>
- *Technologies Used* : ReactJS, Laravel, PHP, Sketch, MySQL.

2. (Machine Learning) Predicting Safety Levels of Neighborhoods in Austin

- Performed various supervised and unsupervised machine learning experiments to determine the safety level of a neighborhood at a particular time on the day. Final algorithm achieved 87% accuracy.
 - Researched the federal and state criminal laws and regulations to accurately determine the safety level.
 - *Technologies Used* : Microsoft Azure Notebooks, Python
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PROFESSIONAL PROJECT

1. Search Dashboard

- Search engine using Graph Database to enable visualization of graphical data which is hierarchical in nature.
- Built a plug-in using D3.js to navigate from one data element to another.
- Developed REST endpoints to access data from UI and enable pagination of data.
- *Technologies Used* : Neo4j, D3.js, AngularJS, HTML, CSS, Java 8, REST.