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, Rapid Prototyping, Advanced Design of AI, Machine Learning, Virtual Environments, Understanding Research

Bachelor of Engineering, Electronic & Telecommunications Engineering, Graduated July 2014
University of Mumbai
Grade: First Class

WORK EXPERIENCE

Graduate Research Assistant, Energy Institute, University of Texas at Austin, 09/2018 – Present
- Currently hold a full time GRA position to develop a full stack web application for a non-profit focused on Texas energy and poverty.
- Working to create 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.

Senior Systems Engineer, Infosys Ltd, 07/2014 – 11/2017
- Worked as a Consultant for an Investment Banking Company. Worked on three major projects for Regulatory Operations and received 3 professional awards for my contribution and innovation.
- Mentored and managed a team of 6 fresh graduates to deliver a critical project in 6 weeks.

Summer Intern, Reliance Communication, 06/2013 – 07/2013
- A Summer Intern at Reliance Communications – Standards and Processes Team which was responsible for Testing in Quality Control and Assurance.

SKILLS

Languages	:	Java, R, Python
Front-end languages and libraries	:	ReactJS, HTML, PHP, Java Script, jQuery, D3.js
Framework	:	Spring, AngularJS, Laravel
Databases	:	Oracle, DB2, MySQL, Neo4j (Graph DB)
Data Visualization Tools	:	Power BI, D3.js,
Data Modeling & RM Tool	:	Camunda BPMN, Signavio, Blueprint
ORM Tool	:	Hibernate, Hibernate Envers
Design Tool	:	Sketch, Invision, Figma

GRADUATE PROJECT DETAILS

1. (GRA) Energy Poverty Clearing House, 09/2018 - Present
- 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.
- Being the only technical person on the team, worked on server set-up, database design and web design and development.
- Under development website: http://energy-poverty.info

- Technologies Used : ReactJS, Laravel, PHP, Sketch, MySQL.

2. **(Machine Learning) Predicting Safety Levels of Neighborhoods in Austin, 09/2018 - 12/2018**
   - 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.
   - Conducted research on the federal and state criminal laws and regulations to accurately determine the safety level.
   - Final Project Video:
     https://drive.google.com/file/d/1cw1dIYzcqxpxJxg_dPJjENY58b0K0DeE/view?usp=sharing
   - Technologies Used : Microsoft Azure Notebooks, Python

3. **(Understanding Research) Digital Privacy Habits on Facebook, 01/2018 - 05/2018**
   - Conducted user research using quantitative and qualitative methods to understand what people think about privacy and whether their opinions have an impact on their digital habits.
   - Final Poster Presentation link:
     https://drive.google.com/file/d/1cV1XDMilV7iLpHj96oqIVXIoyLu4Jcl5/view?usp=sharing

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PROFESSIONAL PROJECT DETAILS

1. **Search Dashboard, 01/2017 - 11/2017**
   - Built a search engine using Graph Database.
   - Developed a UI using D3.js to visualize data with navigation from one data element to another.
   - Technologies Used : Neo4j, D3.js, AngularJS.

2. **Traceability, 04/2016 - 12/2016**
   - Created a "Look-up Dictionary" into 3rd party vendor tool (Blueprint) for data models housed in repository.
   - Managed and mentored a team of 6 to build an SDLC Tracker for Requirements Domain and Process Domain of SDLC.
   - Built a dashboard to detect and display breaks in SDLC along with their criticality.
   - Technologies Used: AngularJS, Java 8, REST, Blueprint, Signavio.

3. **Flow Digitalization and Visualization, 06/2015 - 05/2016**
   - Developed a UI which shows the flow of data between Systems in the form of a BPMN diagram with animation and directional highlight.
   - Created UI features like Free form Search and Relational Search with filters. Also, handshaking of UI with workflow for review and approval of tasks.
   - Redesigned legacy data model to reduce data dependencies by restructuring it into a hierarchical structure.
   - Technologies Used: AngularJS, HTML, Camunda BPMN plugin, jsPlumb, Data integration tool Pentaho, AutoSys.

PROFESSIONAL AWARDS

- Insta Award (August 2017) - Delivering highly fluid client requirement
- Insta Award (October 2016) - Prototype of Data Dictionary presented at Tech Expo.
- Insta Award (March 2016) - Contribution in System Flow Visualization

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EXTRA CURRICULAR ACTIVITIES

- I Elected 'Ladies Representative' of my college- LTCE for year 2013 - 2014.
- Member of National Service Scheme (NSS) Unit of LTCE.
- Represented LTCE at inter college level for Soccer and Cricket.
- Core Member of college festival 'Tech Zephyr' from 2011 - 2014.