

Pranav Dommata

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EDUCATION

- **University of Utah** Salt Lake City, UT
Master of Science in Computer Science; GPA: 3.70 Aug. 2016 – May. 2018
- **Chaitanya Bharathi Institute of Technology** Hyderabad, India
Bachelor of Engineering in Electronics and Communication; GPA: 3.69 Aug. 2010 – May. 2014

EXPERIENCE

- **Pacific Northwest National Lab** Richland, WA
Master's Intern May 2017 - August 2017
 - **Visual Analytics domain:** Worked on building user interfaces for the climate scientists and the cyber defenders at the lab to help them see the patterns in the data and make the right decisions; Used React.js, Node.js and Python in the development.
- **University of Utah** Salt Lake City, UT
Teaching Assistant and Researcher Jan 2017 - Present
 - **Teaching Assistant - Visualization for Data Science:** The course had about a 100 students enrolled. This course mainly covers the design principles and developing web based visualizations using d3.js. I was Involved in holding the office hours to help students and in grading the assignments.
 - **Researcher:** Working with Dr. Alexander Lex in the Visualization Design Lab of the Scientific Computing and Imaging (SCI) Institute at the University of Utah. My work mainly involves building the visualization tools for the clinical data analysts. We mainly use TypeScript in the development.
- **TEKsystems** Hyderabad, India
Software Engineer May 2014 - July 2016
 - **Business Intelligence domain:** Worked extensively on ETL processes of the data management and generated reports for the business. Also, involved in gathering the requirements from the clients and resolving the production level issues.

PROJECTS

- **Search for Twitter Bots (ongoing):** The main goal is to build a machine learning (ML) classifier to efficiently perform the task of classifying the data of Twitter users. The classifier is supposed to predict if the user is a content polluter or not. Building in Python and no ML packages are used.
- **Event extraction system (ongoing):** Design and build an information extraction(IE) system for the news articles. Building the system from the scratch using the different Natural Language Processing (NLP) techniques to extract the several types of information. Implementing it completely using Python and no libraries which does any means of event extractions are used.
- **Grad School Finder:** Built a web page effectively visualizing the graduate schools' data to help any individual short list the universities based on his/her interests. Developed the page using JavaScript, D3.js, HTML and CSS
- **Database Kernel Implementation:** Built a Database kernel in Java which involved the implementation of concepts like bufferpool, catalog, Transactions, Query Evaluator and optimizer.
- **Personal Portfolio (side project):** Built a personal portfolio site from scratch in React.js and integrated it with the Express.js which is a server side Node.js framework.

TECHNICAL SKILLS

- **Languages:** C, C++, Java, JavaScript (D3, React, Node), Python, TypeScript.
 - **Technologies:** HTML, CSS, MongoDB, SQL, Informatica, ODI, OBIEE, Git, Eclipse, Visual Studio, IntelliJ IDEA, Photoshop.
 - **Relevant Coursework:** Visualization, Machine Learning, Natural Language Processing, Advanced Database Systems, Operating Systems, Advanced Algorithms, Computer Architecture.
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