

Pranav Dommata

<https://pranavdommata.com>

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EDUCATION

- **University of Utah** Salt Lake City, UT
Master of Science in Computer Science; GPA: 3.72 Aug. 2016 – May. 2018
- **Osmania University** Hyderabad, India
Bachelor of Engineering in Electronics and Communication; GPA: 3.69 Aug. 2010 – May. 2014

TECHNICAL SKILLS

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

EXPERIENCE

- **Pacific Northwest National Lab** Richland, WA
Master's Intern May 2017 - August 2017
 - **Visual Analytics domain:** Built 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. (*ReactJS, NodeJS and Python*)
- **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.
- Mentored 12 teams in the class final project. (*HTML, CSS, D3.js, JavaScript*)
 - **Researcher:** Working with **Dr. Alexander Lex** in the Visualization Design Lab of the Scientific Computing and Imaging (SCI) Institute, University of Utah.
- Developed plugins for keyword search and for building dynamic categories for the visualization tools built at the lab. (*MongoDB, ExpressJS, TypeScript*)
- **FCS Inc. (A TEKsystems division)** Hyderabad, India
Software Engineer May 2014 - July 2016
 - Worked on some of the critical projects for the clients like GE and JDSU on the ETL end of the Data processing and management.
 - Built a tool which shows the lineage of the attributes shown in the reports which brought down the debugging time by a substantial amount.

PROJECTS

- **Search for Twitter Bots:** Built a Machine Learning classifier to classify if a twitter account is a content polluter or not. Extracted features, done feature transformations and implemented algorithms from the families of ensembles, decision trees and perceptrons. (*Python*)
 - **Event extraction system:** Built an information extraction(IE) system for the news articles. Developed the system from the scratch using the different Natural Language Processing (NLP) techniques to extract the several types of information. (*Python, Spacy, Stanford CoreNLP*)
 - **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. (*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 to showcase the projects and my experience with the field of Computer Science in general. (*ReactJS, ExpressJS, Mailgun*)
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