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*

Technical Skills

- **Languages**: C, C++, Java, JavaScript (D3, React, Node), Python, TypeScript.
- **Technologies**: HTML, CSS, MongoDB, SQL, Informatica, ODI, OBIEE, Git, Eclipse, VS Code, IntelliJ IDEA, Photoshop.
- **Relevant Coursework**: Visualization, 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. *(React.js, Node.js 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, Express, TypeScript)*
- **TEKsystems** — Hyderabad, India
  Software Engineer — *May 2014 - July 2016*

  - Worked extensively on ETL processes of the data management and generated reports for the business.
  - 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 (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. *(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. *(React.js, Node.js, Mailgun)*