

AVANTI CHANDE

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EDUCATION

Master of Science in Information Management
University of Washington ischool

June, 2018

Specialization – Data Science, GPA- 3.71/4.0

Bachelor of Engineering in Electronics and Telecommunication
University of Mumbai

July, 2013

GPA-3.5/4.0

RELEVANT COURSEWORK: Theoretical Data Science, Social Network Analysis, Machine learning and Econometrics, Statistical Thinking.

TECHNICAL SKILLS

- **Languages:** Python, R, Bash, Perl, PHP, SQL and Markdown
- **Web Technologies:** HTML, CSS, JavaScript, WordPress, Expression Engine, Jekyll
- **Tools:** IBM Clear Case, IBM Clear Quest, Jenkins, HP Load Runner, Git, GitHub, Excel, Tableau
- **Data Science Packages:** **Python** – Numpy, Pandas, Scipy, Scikit-Learn, Seaborn, Matplotlib, NLTK
R -- DataTable, DataFrame, DevTools, Dplyr, Lubridate, Stringr, Shiny, Shiny Dashboard
- **Courses and Certifications:** Introduction to Data Science using Pandas(Udemy), Advanced Bash Scripting (Accenture), DevOps technologies (Accenture), Microsoft Professional course in Data Science(Microsoft)

EXPERIENCE

Web Developer Assistant at Urban@UW

(Nov 2016 – Present)

- Support web infrastructure of the organization for additional features for their website using the Expression Engine content management platform and Jekyll from GitHub.

Principal Data Analyst Intern at Ascentius Insights

(Aug 2016)

- Employed R programming techniques to extract and clean the payroll data of all employees from the database, further analyzing and visualizing it using Shiny to help the client devise cost-effective strategies.

Software Engineering Analyst at Accenture Services Pvt. Ltd.

(Nov 2013 – July 2016)

- Built Shell (Bash) scripts to assess performance test parameters like min, max and mean response times of our application in real-time, reducing the manual analyzing time by almost **90%**.
- Improved upon continuous delivery mechanisms by using scripting automations and deployed the code into development and test environments. The automations resulted in reduction of manual efforts by **50%**.
- Travelled for a client facing role to the United Kingdom. The assignment included interaction with clients, working on production environment, building deployment guides and shadowing our clients in code deployment activities.
- Successfully implemented a web dashboard using HTML CSS, PERL and MySQL for a one-stop presentation of all the on-going activities in the project to ensure that key stakeholders are kept informed about progress and expected outcomes.

Web Development Intern at Inventif Web

(Aug 2013- Nov 2013)

- Created interactive forms for customers on a web-based invoice generation system using HTML, PHP, JavaScript and SQL. It generated and emailed an invoice in PDF format to the customers based on their product selection.

ACADEMIC PROJECTS

Data Generation, Cleaning and Analysis of Airbnb and Yelp data

(On-going)

- Working on data gathering and exploratory analysis of Airbnb listings of the year 2016 to gauge association between the unit prices and the Amenities available around them, using Yelp API and R.

Logistic Regression on Lending Club data

(Jan 2017)

- Performed exploratory analysis on lending club's loan data with 111 features and using Logistic Regression predicted given those features, whether a borrower would be a defaulter of the loan.

Linear Regression on Boston house prices data

(July 2016)

- Performed a single variable linear regression using Python pandas and scikit learn to predict house prices in Boston using the least squares method.

Titanic, Stock market, election data analysis

(July 2016)

- Project involved data extraction, analysis and visualization of interesting correlations among the features of the datasets using python; Used linear regression techniques to predict future data.

Natural Language Processing using Python

(June 2016)

- Combined machine learning techniques and statistics with text to get in a format understood by machine learning algorithms!

EXTRACURRICULAR ACTIVITIES

Volunteered to organize a telephonic survey for high school students to analyze the need of right guidance to choose a career.