

# Proxima DasMohapatra

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## EDUCATION

- Masters in Information Management & Systems** 2015 - May 2017  
UC Berkeley School of Information, Berkeley  
Focus: Data Analytics, Machine Learning & Visualization  
*Relevant coursework:* Data Mining & Analytics, Natural Language Processing, Spatial Data Analytics, Information Visualization
- Bachelor in Information Technology** 2008 - August 2012  
Biju Patnaik University of Technology, Bhubaneswar

## PROJECTS

### Automated Music Genre Detection | Machine Learning

- Used deep learning models to predict genre of an audio file by analyzing a collection of over 600 songs of multiple genres.

### Mining Dark Data | Information Retrieval, Natural Language Processing

- Extracted summary and entities from historic natural resource research documents in PDF format using NLP and OCR tools.

### Tennis Surface Study | Information Visualization

- Created a web application to visualize the importance of different surfaces of tennis courts and their effect on the game.

### Demystifying comments on govt. regulations | Natural Language Processing

- Developed a machine learning model that summarizes relevant comments made on proposed government regulations. (*Ongoing*)

## WORK EXPERIENCE

- Data Visualization Intern** May 2016 - Aug 2016  
ClearStory Data, Menlo Park
  - Extended data models for the data visualization platform.
  - Enhanced multiple aspects of visualizations as a part of major product release using ReactJS, Javascript, Ruby on Rails and D3js
  - Enhanced multiple data selection processes for the application by fixing bugs in the existing code.
  - Designed and implemented color selection palette for visualizations in the application.
  - Implemented tracking for core user actions using Mixpanel.
- Business Technology Analyst** Jan 2013 - Jun 2015  
Deloitte Consulting, Hyderabad
  - Tested software deliverables for adherence to technical best practices and coding standards, ensuring high quality deliverables and reducing number of bugs reported in later stages of the testing process by 20%
  - Designed technical architecture and implemented software deliverables based on functional specifications.
  - Developed high complexity data inbound and outbound interfaces using Oracle Service Oriented Architecture (SOA) tools and PL/SQL that were used in daily/periodical data integration between various systems.
  - Led a team of three analysts to gather requirements from stakeholders, design and deliver customized data interfaces for high volume financial and real estate data (>10M records) using Oracle's ELT tool and using PL/SQL.

## SKILLS

- DATA SCIENCE TOOLS:** SQL, Python, Pandas, R, Excel, Matplotlib, Scikit-learn, NumPy, SciPy, PL/SQL, MATLAB, Tableau, D3.js, Bokeh, Highcharts, Map-Reduce, NLTK, Hadoop Streaming
- ETL TOOLS:** PL/SQL, Oracle Data Integrator
- DATABASES:** Oracle, MySQL
- PROGRAMMING LANGUAGES:** Java, C, C++, VBA, Oracle BPEL (Business Process Execution Language)
- WEB TECHNOLOGIES:** XML, HTML, XSLT, XPath, JavaScript, PHP, CSS, ReactJS, Ruby
- BUILD TOOLS:** Git, TortoiseSVN