

GAUTAM JEYARAMAN

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<http://gautamjeyaraman.com>

PROFESSIONAL SYNOPSIS

- A full stack developer with **3 years** of rich experience in managing complex, multi-functional projects encompassing planning, architecting, requirement analysis, design & development, testing, deployments, implementation and maintenance.
- Ability to extract insights from unstructured data using Natural Language Processing and Machine Learning.
- Accomplished completion of significant projects including DisQuery, CollabLayer and many other smaller projects in my internship and college
- Skilled in various Web Technologies, Machine learning frameworks, Natural Language Processing frameworks, Visualization frameworks and Big Data Frameworks.

ORGANIZATIONAL EXPERIENCE

Tataatsu Idealabs, Bangalore

July'12 till date

Full Stack Developer

KLA-Tencor, Chennai

Dec'11 to June'12

Intern

OTHER HIGHLIGHTS

- Recently won the International Hackathon conducted by IIM-Bangalore
- Have learnt Machine Learning, NLP and related subjects from various MOOCs and books
- Leading and working on DisQuery, a tool to extract meaningful data from the customer's large data corpuses and visualize them based on the customer's needs, as well as what the customer might need

ACADEMICS

Scored 320 in GRE (August 2014)

168 in Quantitative and 152 in Verbal

Scored 103 in TOEFL (September 2014)

28 in Reading, 27 in Listening, 26 in Speaking and 22 in Writing

B.Tech in Information Tehnology (2008-2012)

8.19 GPA

Velammal Engineering College(Anna University), Chennai

12th Grade with Maths, Computer Science, Physics and Chemistry (2007-2008)

Overall score of 91.9% with 100% in Maths

St.John's Matric. Hr. Sec. School, Salem

10th Grade with Maths, Computer Science, Physics and Chemistry (2005-2006)

Overall score of 92.1% with 100% in Maths

St.John's Matric. Hr. Sec. School, Salem

PROJECTS

DisQuery (Tataatsu Idealabs)

Disquery is an NLP Analytics Engine. It extracts semantic signals and identifies patterns from unstructured text. Disquery is extensible to domain specific text processing needs. Ingesting data from various data stores, extending processing pipeline with custom classifiers or feature extractors, notifying events of significance to downstream workflows or decision making systems, all aspects have been designed for real-world integration and deployment needs.

Role: Lead and Full Stack Developer

Duration: December 2013 till date(1 year)

Team Size: 4

Website: <http://www.tataatsu.com/home/disquery>

Responsibilities:

- Analyzing the customer's problem and dataset, for what kind of insights can be extracted from the content and suggesting various solutions
- Developing classifiers, language processors, ingestion pipelines and various other components to make the engine parse through large data corpuses and extract data, in production
- Visualizing the insights with interactive visualizations, based on what will be intuitive and usable to the customer
- Displaying the contents as a dashboard and deploying them as a web application so that the customer can see his insights in real-time as the data flows

Technologies Used:

NLTK, Scipy, Scikit-Learn, Gensim, Storm, Neo4j, ElasticSearch, RabbitMQ, D3, AngularJS and many other frameworks

CollabLayer (Tataatsu Idealabs)

CollabLayer is an app to help collaborate around documents/images with teams, customers and partners in real-time. It is a web tool to augment context-aware real time collaboration and discover insights from unstructured data.

Role: Full Stack Developer

Duration: July 2012 to December 2013

Team Size: 6

Website: <http://collablayer.com/>

Responsibilities:

- Developing responsive, real-time, single page user interface for the webapp as well as mobile apps
- Designing and implementing server side api and framework for various features
- Preparing deployment scripts, writing tests and building custom web analytics to make the product fully automated
- Interacting with customers and suggesting new features or changes to the team

Technologies Used:

Backbone.js, Pdf.js, D3.js, JQuery, Bootstrap, Cyclone Web Server, Twisted, PostgreSQL, RabbitMQ, Redis, Nginx, Java REST services, Fabric, Elastic search, Neo4j, Android and many more frameworks

ReportManager (KLA Tencor)

ReportManager is a web application used by employees to send intelligent daily and weekly reports to their managers. The system is connected to the task management system and so the user can simply choose the tasks that he had been assigned for and enter time spent. The system takes care of sending daily and weekly reports to their managers and also gives a dashboard view for the manager so that he can get to know the current status easily.

Role: Intern

Duration: December 2011 to June 2012

Team Size: 2

Responsibilities:

- Developing the web application using frontend and backend technologies
- Deploying the application, writing tests and providing support for the users
- Get a first hand experience on building a system in a corporate environment from end to end

Technologies Used:

C#, ASP .NET, JQuery, HTML, MySql, IIS

MINI PROJECTS:

- A web application to scan the user's PAN card(government ID) using a computer's webcam and retrieve information about him as well as the government policies he is eligible for, in the user's language of choice. Built this in the International Hackathon conducted by IIM-Bangalore
- A simple system to manage the document review and approval workflow in KLA Tencor
- A web application to store and consume students' marks, subjects taken and other details in college
- A colored 3D barcode scanner to store and retrieve more data
- Minor open source contributions to Cyclone Server, UnderscoreJS and many other smaller projects

TECHNOLOGIES I USE(other than what is mentioned already in my projects):

Languages: C, C++, Java, C#, Python, Javascript, HTML and CSS

Developer Tools: Git, Vim, different IDEs based on the language and framework, etc.

Big Data Processing: Hadoop, Spark, etc.

Machine Learning and NLP: Weka, LingPipe, OpenNLP, RAKE, R, Octave

Operating Systems: Windows, Linux and Mac

I also like to play around with various new technologies and frameworks.

PERSONAL INFORMATION

- Name: Gautam Jeyaraman
- Address: 27/4-A, Santhosh Gardens, Church Road, Mugappair East, Chennai – 600037.
- Date of birth: 19/10/1990
- Sex: Male
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