

JUGU DANNIE SUNDAR

jugu.87@gmail.com | jsundar@cs.stonybrook.edu | +1 470 338 2725

SUMMARY CS Masters student with 6 years of full stack development experience. Have developed impactful enterprise level products from scratch. Team player, highly adaptable, quick learner, and creative problem solver. Have interest in data analytics, Natural Language Processing, and workflow optimization solutions.

SKILLS **proficient:** Java/J2EE, Python, HTML/CSS/JavaScript, SQL, Tomcat, JIRA, SVN
 ok: C/C++, MATLAB, Perl
 misc: SQL, Spring-MVC, NodeJS, JQuery/Bootstrap/Angular, REST API, Drools, NoSQL, ActionScript

EXPERIENCE **-Research Assistant, Knowledge Systems Lab | Stony Brook University** **(June 2016 – Aug 2016)**

- Developing dynamic rule generator and interpreter for hospital healthcare solution to automatically parse the lab reports and highlight comorbidities based on decision tree generated from the rules.
(Demo Link: <https://jugu.github.io/medical-rule-builder/index.html>)

- System Analyst, Workforce Scheduling | Reflexis Systems Inc., Atlanta, GA, USA **(Sep 2012 – July 2015)**

- Designed technical specifications to achieve functional requirements of retail customers having more than \$100 million revenues, and 1000 retail stores.
- Supervised roadmap for product release by coordinating with development, testing, and implementation teams.
- Reduced turnaround time for critical issues by 50% through fast tracking.
- Developed scheduling algorithms using multi constraints programming for clients having \$100 million revenues
- Achieved up to 5% reduction in labor %age across 1000 stores saving \$1-5 million in labor costs annually for the clients.
- Developed low click, intuitive, and comprehensive schedule editing interface with drag/drop features.
- Improved labor productivity by 500 man hours per day across 1000 stores by reducing manual edits.
- Integrated web services to communicate with multiple vendors post authentication and authorization
- Improved application performance in SaaS model through parallel processing of messaging system, and the forecast-workload-schedule workflow (**Java/J2EE, Spring MVC, Hibernate, Drools, MySQL, HTML/CSS/JavaScript, JQuery**)

-Software Engineer, Workforce Scheduling | Reflexis Systems, Pune, India **(Sep 2009 - Aug 2012)**

- Designed and developed full stack Employee Self Service module having features like messaging system, shift bidding, availability/leave request workflow, payroll summary, and printing facilities
- Achieved 95% user satisfaction in a user study with more than 100,000 daily users of the module.
- Developed a graphical forecasting user interface with in-graph edits to make sales projections easily.
- Developed custom reporting modules with multiple level authorizations
- Supported QA and implementation teams with release management for multiple clients (**Java/J2EE, Spring MVC, Hibernate, MySQL, HTML/CSS/JavaScript, JQuery, Bootstrap**)

PROJECTS **Patient centered identification, attribution, and ranking of Adverse Drug Events** *(Jan 2016-present)*

Using NLP tools and biomedical datasets, we implement models to perform entity normalization for prescription drugs and symptoms obtained from EHR data. We rank the drugs according to symptoms reported using specific metrics to aid doctors in decision making

EDUCATION **M.S. Computer Science** **Stony Brook University SUNY, NY, USA** **2015-***Dec 2016

Advanced Projects, Algorithms, Artificial Intelligence, Compilers, Computer Vision, Database Systems, Operating Systems, Theory of Computation, Visualization

B.Tech and M.Tech **Indian Institute of Technology Madras, India** **2009**

OTHERS GRE : 331/340, TOEFL: 108/120 (2014)