

Jugu Dannie Sundar

Full stack software developer

Contact

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Website

<https://jugu.github.io/>

Skills

Proficient

Java
J2EE
Python
CSS/HTML/JavaScript
SQL
Subversion
JIRA
Flex
Tomcat

Comfortable

C/C++
MATLAB
NoSQL
Drools

Others

jQuery
NodeJS
Bootstrap
Spring MVC
AngularJS
REST web services
Glassfish
Hadoop

Courses

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

Experience (6 years full time)

- 06/2016- **Stony Brook University** | Research Assistant, Knowledge Systems Lab NY
- Developed dynamic rule generator and interpreter for hospital
 - The interface supports add/edit features to update/apply rules to lab reports
- 08/15-12/15- **Stony Brook University** | Teaching Assistant, IT Ethics course NY
- 09/12-08/15- **Reflexis Systems Inc.** | Computer Systems Analyst, Workforce Scheduling GA
- Designed technical specifications to address functional requirements.
 - 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 multiple clients with more than \$100 million revenues
 - Achieved up to 5% reduction in labor %age across 1000 retail stores
 - 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 of schedule
 - 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
- 09/09-08/12- **Reflexis Systems India Pvt. Ltd** | Software Developer, Workforce Scheduling India
- 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 by client 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

Projects

Patient centered identification, attribution, and ranking of Adverse Drug Events

- Performed entity normalization for drugs and symptoms using NLP
- Ranked symptom causing drugs using specific metrics to aid doctors in decision making.

Rail Surface Severity Classification using Convolutional Neural Networks and Fisher Vectors

- Created a pipeline with pre-trained CNN model, fisher vector, and multi-class SVM.
- Performed benchmarking with different CNN models, and optimization parameters, using the experimental design of four fold cross validation.

Education

2015- **M.S. Computer Science**

Stony Brook University SUNY, NY, USA

2009 **B.Tech and M.Tech**

Indian Institute of Technology Madras, India