Jugu Dannie Sundar

Full stack software developer | Interest in Data analytics, Workflow optimization | Hard working, dedicated, like to build things

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 and detect comorbidities, which doctors can then easily confirm.

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 achieve functional requirements of retail customers having more than $100 mn 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 multiple clients with more than $100 million revenues
- Achieved up to 5% reduction in labor %age across 1000 retail 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 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 (code/demo – https://jugu.github.io)

Patient centered identification, attribution, and ranking of Adverse Drug Events
- Mined data from multiple medical drug websites to build a comprehensive database of drugs and side effects.
- Using NLP and custom algorithms ranked drugs causing side effects in patient, to aid doctors in efficient 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**