# JUGU DANNIE SUNDAR

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## SUMMARY (Graduating in Dec 2016)

Currently pursing masters in Computer Science. Full stack developer with 6 years of work experience. Have developed impactful enterprise level products from scratch. Team player, quick learner, and creative problem solver.

## TECHNICAL SKILLS (http://jugu.github.io/)

*Programming Languages*: Java/J2EE (proficient), Python (proficient), C/C++, Javascript (proficient), MATLAB
*Other Proficiencies*: SQL, Spring-MVC, Apache Flex, AngularJS, NodeJS, Bootstrap, Jquery, D3.js

## PROFESSIONAL EXPERIENCE

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

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. (**Javascript**)

**-Teaching Assistant, IT Ethics (CSE 312) Stony Brook University                    (Aug 2015 – Dec 2015)**

**-Reflexis Systems Inc., Atlanta, GA, USA                                    (Sep 2012 – July 2015)**
*(Retail Workforce Management Software Solutions)*

**Principal Software Engineer** (Apr 2014 -July 2015)

- Reduced turnaround time by 50% for critical production issues through efficient fast tracking. Performed requirement analysis through direct client interaction, and developed roadmap, and supervised workflows for development activities.

**Computer Systems Analyst** (Sep 2012 -Mar 2014)

- Coded client specific scheduling algorithm (**Java, Drools**) to address unique staff scheduling requirements. Achieved 100% compliance with the labor laws and up to 5% reduction in labor percentage compared with legacy systems. Also reduced time spent on manual shift edits by 50% boosting employee productivity
- Improved application performance 10 fold in cloud setup, through index analysis, reducing network imprint, and parallel processing

**-Reflexis Systems India Private Limited, Pune, India                        (Sep 2009 - Aug 2012)**

**Product Engineer (Apr 2011 - Sep 2012)**

- Developed a new module "Employee Self Service" from scratch for the core workforce management product. The module is used extensively on a daily basis by more than 100,000 end users of the product with more than 95% satisfaction in user survey. (**Java/J2EE, HTML, CSS, javascript, SpringMVC, Hibernate**)
- Reduced user editing time by 20% thereby fastening the decision-making process by developing better User interface for the modules of sales forecast and employee schedules. (**Java/J2EE, Flex, js, HTML, CSS**)

**Software Engineer (Sep 2009 - Mar 2011)**

- Developed extracts, data import facilities and UI reports.

**- Teaching Assistant, *Microbiology Lab., Biotechnology Department, IIT Madras (Aug 2008 - Nov 2008)***

- Instructed the 2nd year undergraduate students in their first core subject laboratory.

**- Intern, *Biological E. Limited, Hyderabad, India*                        (May 2007 - June 2007)**

- Prepared comprehensive process reports to document the company production methods for downstream processing of vaccines and antiserum (Production and Quality Control Department)

## ACADEMIC PROJECTS

*(Jan 2016-present)* **Patient centered identification, attribution, and ranking of Adverse Drug Events** – Using NLP tools and biomedical datasets, we implement models to perform entity normalization for drugs and symptoms. We rank the drugs according to symptoms reported using specific metrics to aid doctors in decision making.

## EDUCATION

- **Stony Brook University SUNY**
  M.S Computer Science (Aug 2015- present) – Algorithms, Databases, Compilers, Visualization, Computer Vision
- **Indian Institute of Technology Madras, Tamil Nadu, India**
  B.Tech and M.Tech (Dual Degree) (Aug 2004 - July 2009)

## SCHOLASTIC ACHIEVEMENTS

- GRE : 331/340, TOEFL: 108/120, GMAT: 680/800                                        (2014)