

SUMMARY:

Software Engineer with 2+ years of experience specializing in Micro Web services and Deep Learning, determined for Innovation, Knowledge and Creativity with graduate degree in Intelligent Systems.

EDUCATION:

- Master of Science in Computer Science, The University of Texas at Dallas, Richardson, Texas **May 2017**
- Bachelor of Engineering in Information Technology, Gujarat Technological University, India **May 2014**

Relevant Courses: Artificial Intelligence, Big Data Analytics, Machine Learning, Natural Language Processing, Design and Analysis of Algorithms, Advanced Computer Network, Object Oriented Analysis & Design

TECHNICAL SKILLS:

Programming Languages	: Java, C, C++, Python
Web Technologies	: AngularJS, React.js, Redux, Vanilla JS, HTML5
Frameworks	: Spring Boot, gRPC, OAuth2, Hadoop, Spark, Kafka, Redis, RabbitMQ
Cloud Services + Databases	: AWS, Google Cloud, OpenStack, Couchbase, Oracle DB, MySQL
Hardware Technologies	: Wireless Sensor Network, IoT, Embedded Systems
Tools and Applications	: Sumo Logic, SOLR, JIRA, Jenkins, GIT

PROFESSIONAL EXPERIENCE:

Software Engineer at Copart Inc., Dallas, TX **May 2017 – Present**

Back Office Billing & Payments – Copart Back Office portal for Finance.

- Part of Back Office project Architecture Design while Leading Bank Reconciliation and Documents Service modules.
- Coordinated with business, finance team, SAP specialists and other team members for architectural design.

Software Engineer Intern at Copart Inc., Dallas, TX **January 2016 – May 2017**

Image & Document Service – Image and Document Processing.

- Involved in design and development of micro web services using cloud and messaging services. Added error handling and retry mechanism to upload documents automatically & manually. Secured it using OAuth2 authentication.
- It processes more than 1 million images and documents per day and the failure rate lies between 0.025% to 0.05%.

Intelligent reader for image scanning – A desktop application to Scan and Upload documents.

- Improved document scanning process, which scans bar code and content of the document by using spring boot inspired multi-threaded architecture to achieve highly efficient asynchronous behavior.
- Implementation of this structure improved performance by 60% and accuracy to 99.50%.

Software Developer at Orbit IT Solutions, India **June 2014 – November 2014**

- Involved in building **Quality Management System** project while designing, maintaining and developing the interaction of RESTful web services in Spring MVC with desktop application in JavaFX + Eclipse RCP.

Software Engineer Intern at Indian Railways (CRIS), India **June 2013 – July 2013**

- Worked on Indian Railway's **Freight Operation Information System** middleware component using Oracle Tuxedo & Web logic, while maintaining the system which tracks live status of freight trains.
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PATENT & PUBLICATIONS:

- Published **Patent** named as “Multifunctional Gateway Sensor Node” with Patent Number **3327/MUM/2013**. **October 2013**
 - Published **IEEE International Paper** on “Multifunctional Gateway Sensor Node” with ISBN: **978-1-4799-3826-1**. **April 2014**
 - Published **AICTE National Paper** on “The Assessment of Micro Weather Station” with ISSN: **2349-9079**. **January 2014**
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ACADEMIC PROJECTS:

Political Actor Recommendation System **January 2017 – May 2017**

- Developed a Big Data application which identifies a political actor from live news streaming and feeds, tweets and recommends actor's role using Spark Streaming, Elastic Search, NLP and Machine Learning algorithms.

English Grammar to ASL Grammar Algorithm **May 2016 – December 2016**

- Developed an algorithm using Natural Language Processing and Machine Learning for converting English grammar into American Sign Language grammar. It also corrects English grammar before parsing it to the ASL.