

SUMMARY

14+ years of experience in application development and process (re)engineering in Publishing domain. Delivered technology solutions to Books, Journals, Education, Conversion & Secondary Content. Quick learner. Ingenious solutions builder.

EXPERIENCE

Since May 17 Thomson Digital

A comprehensive digital solutions provider serving the global publishing fraternity.

Since May 17 **General Manager – NLP & Machine Learning,** Pondicherry (Work from home) / Noida (office)
Lead a team that develop solutions using NLP (Natural Language Processing), Machine Learning and Analytics; automate secondary content business processes.

Responsibilities

- Develop and deliver path breaking technology solutions that require intensive R&D.
- Support pre-sales including request for proposals (RFP) and request for information (RFI).
- Demonstrate technology capability of the company at client meetings.

Major Initiatives

- Implemented a new reference structuring pipeline using open source and in-house built engines.

Since Nov 11 SPi GLOBAL

A leading Business Process Outsourcing (BPO) service provider with clients from Knowledge Process Outsourcing (KPO) and a global team of over 7,000.

Since Aug 16 **Associate Vice President – Analytics & Machine Learning,** Pondicherry
Lead a team that develop solutions using NLP (Natural Language Processing), Machine Learning and Analytics; automate secondary content business processes.

Responsibilities

- Develop and deliver path breaking technology solutions that require intensive R&D.
- Support pre-sales including request for proposals (RFP) and request for information (RFI).
- Demonstrate technology capability of the company at client meetings.

Major Initiatives

- Text Analytics: Sentiment Analysis for customer emails.
- Image Analysis: Successfully completed a POC for Automated Ad Extraction using computer vision technology, NLP, OCR and SPARQL.
- Developed a machine learning based topic modeling solution to automatically identify the topics discussed in a document. It reduces SME's production time from 1 hour to 5-10 minutes.
- Automated multi-engine reference structuring pipeline that automatically structures the references. Structured references are automatically validated as well.

Apr 14-Jul 16 **Senior Manager – Technology Solutions,** Pondicherry
Led a team of 2 direct and 15 indirect members; managed development projects for Conversion, Books, Education and Journals verticals

Major Initiatives

- End to end automated solution for large scale XML conversion projects.
- Developed end to end conversion solution for secondary content that deals with extraction of head & tail content from 4000+ journals.
- Played an important role in drafting RFI/RFP responses by proposing technology solutions for new projects.
- Developed solutions for special projects that deal with Humanities, Media & Engineering verticals.
- Developed an NLP based solutions for reference structuring, grammatical error detection and to extract fund related named entities for a financial customer.
- Precision and Recall Tracking Systems to continuously monitor & improve the deployed solutions. Automated daily productivity reports are shared to business stakeholders.

Nov 11–Mar 14 **Manager – Solutions Development,**

Pondicherry

Major Initiatives

- Developed a generic toolset for backlist conversion projects that take care of content identification, extraction and verification.
- Sophisticated content verification tools scanned and typeset PDFs.
- Implemented systematic Development and Release procedures for various development teams.
- Developed XML & ePub conversion tools, image processing tools, PDF linking tool etc for various projects.

Oct 10- Nov 11 MPS Limited

Now ADI-MPS (formerly MPS, A McMillan Company) offers publishing services with a global team of 2500+ employees.

Oct 10–Nov 11 **Asst. Manager – Technology,**

Chennai

Managed a development team which was primarily focusing on vertical development.

- Guiding the development team to use latest technologies in order to deliver next generation tools which will address the issues in the existing version.
- Worked on generic application for Copy-Editing and XML conversion

Major Initiatives

- Increased performance of Reference structuring tool. Average processing time per reference was brought down to 1-1.5 seconds from 6-9 seconds.
- Designed and developed a new Word to XML conversion application using XML rules.
- Created reporting modules for BlackBox servers for easy maintenance.

May 04-Aug 10 SPi GLOBAL

A leading Business Process Outsourcing (BPO) service provider with clients from Knowledge Process Outsourcing (KPO) and a global team of over 7,000.

May 04-Aug 10 **Asst. Manager – Software Development,**

Pondicherry

Formed a development team from scratch and played many roles in team such as Developer, Senior Developer, Team Lead and Asst. Manager.

Major Initiatives

- Designed and developed applications for pre-editing, copy editing, XML conversion, castoff (page estimation), data entry tools which were implemented for many projects.
- Developed a new module called Auto REI that will identify any reference without setting/selecting a pattern.
- Implemented many new technologies like XLINQ (or LINQ for XML), ClickOnce Deployment, OOXML etc with the help of team.

Jul 03-Apr 04 Integra Software Services

A global publisher for full-service and custom service that offers editing to content production to digital media.

May 03-Apr 10 **Consultant,**

Pondicherry

- Worked as consultant (Engineering Trainee) in XML/SGML/HTML conversion team.

TRAININGS/RECOGNITIONS

- Six Sigma Yellow Belt (Silver award project) in December 2007.
- Attended Open Data Science Conference, London in Oct 2016.
- Winner of best innovative idea, Infinty Awards, SPi Global in Dec 2016.

TECHNICAL SKILLS

- .NET Technologies – VB, C#, ASP.NET, WebServices, VSTO
- NLP (GATE, Stansford NLP), Machine Learning (KNIME, WEKA, SciKit Learn, Python, R) & Deep learning (TensorFlow), Power BI
- HTML, XML, XSLT, XPath, XLINQ, ePub, JavaScript
- Perl, VBA, SharePoint server
- OCR & PDF extraction tools, Acrobat scripting, OpenCV

EDUCATION

2003

Bachelor of Engineering – Electrical and Electronics Engineering
Mailam Engineering College, Mailam, **Madras University**