Hands-on Machine Learning developer, having diverse work experience in different technologies like C, Java, Python in different domains like telecom, investment banking. Python enthusiast with extensive experience in automation using AI techniques like NLP. Qualified Senior Technical Lead with experience in software development methodologies like Agile and waterfall. I have led teams of different sizes from 2 to 5.

**Professional Certifications**

**Professional Summary**

* Certified in SQL Concepts for Oracle 9i
* Certified in IBM AIX (Unix)
* On campus certification course from Carnegie Melon University (Pittsburg, USA) in Machine Learning and Natural Language Processing.

**Skills**

* Primary Skills: C, Python, Machine Learning
* Secondary Skills:
* Programming Languages: Java/J2EE, JavaScript (angular 1.x framework), SQL
* Design Patterns: Factory, MVC, Singleton, Decorator, Command, Prototype
* Tools: Solr (Elastic Search), Eclipse, Spyder, SVN, GIT, ClearCase, MQ Series, Jenkins, uDeploy
* Databases: MongoDB, Oracle 11i, SQL Server, H2
* Business Domains: NLP, Investment Banking, Telecommunication
* Operating System: Windows, Unix
* Application Servers: IIS7, Tomcat 8.5x

**Highest Educational Qualification**

* B. Tech –Information Technology from Sathyabama Institute of Science and Technology, Deemed University, Chennai

**Experience Summary**

* Five years of experience (2015 to till date) as Senior Technical Lead in Machine Learning.
* One year of experience (2015 to 2016) as Technical Lead (investment banking)
* Five years of experience (2011 to 2015) as application developer and business analyst (Telecom).
* Three years of experience (2007 to 2010) in Production Support & trouble shooting.
* Current designation: - Senior Technical Lead
* Total experience: - 13 years

**Domain Specific Experience:**

**Domain**: Artificial Intelligence **Duration**: Mar 2016 – till date

* **Role/Designation**: Tool Developer, Senior Technical Lead
* **Technology**: Python, JAVA8/J2EE with Spring web services and Mongo/H2 Database
* **Key Deliverable/Achievements**: Automated Chat Bot, FAQs, Knowledge Article Generator, Ticket classifier, Case Frames implementation

**Domain**: Investment Banking **Duration**: Mar 2015 - Feb 2016

* **Role/Designation**: Technical Lead
* **Technology**: Python, JAVA 7/J2EE with Frameworks like Spring/Hibernate, Apache Storm (big data) and Oracle Database
* **Key Deliverable/Achievements**: Managing a team of six members, Worked on a complex risk assessment application for investment banking.

**Domain**: Telecom **Duration**: Mar 2007 to Feb 2015

* **Role/Designation**: ASM, Senior Developer, Business Analyst
* **Technology**: C, JAVA 6, Microsoft SQL Server, Oracle Database, ClearCase, SVN
* **Key Deliverable/Achievements**: Development SGX2000 trunk for SS7, Windows server migration from 2003 (32 bit) to 2008(64 bit), Lucen NMake to AT&T NMake, ASM to MO, Automation

**Annexure-Projects’ Details**

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| **Project Name** | **Medha -Automated Chat Bot** | **Team Size** | 8 |
| Start Date | June 2018 | **End Date** | On Going |
| Objectives | Automated chat bot with FAQs to simulate the behavior of support engineers via AI | | |
| **Role & Contribution** | 1. Requirement gathering & prototyping 2. Design and develop FAQ module 3. Android application for chat bot 4. FAQ functionality deployment to Lucy 5. FAQ functionality deployment to ARCLab website 6. License implementation for revenue generation as per usage | | |
| **Technologies** | Python, Java 8/J2EE, H2 database, Open NLP API, Tomcat 8.5x | | |
| **Tools** | Eclipse, SVN, Jenkins | | |

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| **Project Name** | **Minerva-Semi Automated Knowledge Article generator** | **Team Size** | 6 |
| Start Date | Oct 2016 | **End Date** | May 2018 |
| Objectives | 1. Automated knowledge article generation based on existing documentation available 2. Maximize the use of existing knowledge base with Artificial intelligence | | |
| **Role & Contribution** | 1. Implementing NLP concepts like case Frames, Decision Tree, TF-IDF with cosine similarity 2. Solution mapping for sentence parsing using NLP 3. End to end development from presentation layer to Database Layer | | |
| **Technologies** | Java 8/J2EE ,Mongo database , Stanford NLP API, Tomcat 8.5x,Angular 1,HTML5,Spring web services | | |
| **Tools** | Eclipse, GIT | | |

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| **Project Name** | **DB- STORM & DBRica (L3 support)** | **Team Size** | 5 |
| Start Date | Mar 2015 | **End Date** | May 2016 |
| Objectives | 1. Continuous improvements, Small enhances and bug fixing for existing applications 2. Implement extreme programming and test driven development in Agile methodology | | |
| **Role & Contribution** | 1. Requirement gathering & prototyping as Team Lead 2. Solution mapping and effort estimation. 3. Development & testing. 4. Technical lead of 5 member’s team. | | |
| **Technologies** | Unix, MarkLogic, Shell Script , Oracle 11i, Python, STORM | | |
| **Tools** | IntelliJ, SVN, uDeploy | | |



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| --- | --- | --- | --- |
| **Project Name** | SOP-P - Signaling Operations Platform – Provisioning | **Team Size** | 11 |
| Start Date | Jun 2012 | **End Date** | Feb 2015 |
| Objectives | 1. Analyzing Requirements and Design documents and translate to a Technical Solution. 2. Automate manual processes and support to production deployments. | | |
| **Role & Contribution** | 1. Requirement gathering & prototyping. 2. Solution mapping and effort estimation. 3. Development of new features and maintenance of application 4. Technical lead of 11 member’s team. 5. Design and Administer Task for the Team. 6. Migration from Windows server 2003(32 bit) to 2008(64 bit) 7. Migration from Lucen NMake to AT&T NMake | | |
| **Technologies** | Unix shell script, PL/SQL, ASP, Java Script, Java, C, SQL Server, Oracle | | |
| **Tools** | ClearCase, MQ series, NMake | | |

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| **Project Name** | **CAPRI -** Capacity Planning and Routing Implementation | **Team Size** | 14 |
| Start Date | Apr 2009 | **End Date** | May 2012 |
| Objectives | 1. Feature enhancement and Maintenance 2. Automate manual processes. | | |
| **Role & Contribution** | 1. Development of new features and maintenance 2. Automate manual process (build and deployment) 3. Status reporting/bug fixing 4. Deployment support | | |
| **Technologies** | Unix shell scripting, C, Java, PL/SQL, JavaScript | | |
| **Tools** | Eclipse, ClearCase/SCME, MQ Series, NMake, ClearMake | | |

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| **Project Name** | **CADCS -** Call Attempt Data Collection System  **TOPS -** Type II Order Processing System | **Team Size** | 6 |
| Start Date | Jun 2007 | **End Date** | Mar 2009 |
| Objectives | Production support | | |
| **Role & Contribution** | 1. Monitor and process the data 2. Automate manual processes 3. Managed Operation (MO) | | |
| **Technologies** | C, Shell Script, PLSQL | | |
| **Tools** | MQ Series, Ticketing tools | | |