



# Gangarani Rajendran

Project Manager



## Personal Info

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Academic ePortfolio

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LinkedIn

<https://www.linkedin.com/in/gangarani-rajendran/>



## Skills

Statistics, Regression Analysis, Classification, Ensembles Learning, Cluster Analysis, Principal Component Analysis, Deep Neural Networks, NLP, Stacked generalization models

●●●●● Intermediate

Python

●●●●● Advanced

C#.Net, VB.Net, ASP.Net

●●●●● Advanced

SQL, RDBMS

●●●●● Advanced



## Summary

- Proficient in solution designing for Image processing and text extraction upholding the structure from the images infusing heuristic approaches, deep learning algorithms for significant business improvements through creative thinking. Excelled implementing AI & ML based solutions in banking domain. 14+ years of progressive and cumulative experience in creating innovative software products and executing mission critical software projects. Covered a wide spectrum from real time software systems to enterprise level software systems. Wide experience in integrating enterprise-wide real time, legacy & proprietary systems with ERP/EAM/BI systems. Advanced level knowledge of complete SDLC in both Agile and traditional models.



## Experience

2019-06 - present



### Manager

Standard Chartered Global Business Solutions

- Designed a comprehensive AI and ML based Image processing engine
- Solutioned stacked generalization of deep neural networks for document classification model
- Defined ensambling deep neuralnet model pipeline for detection, localization, extraction and verification
- Architected generalized solution with deep neural net and heuristic approach for extraction of contents with tables upholding the structure and converting to key value pairs for further business processing.
- Implemented logger framework and feedback mechanism for all deep neural net and ML models for continuous improvement
- Delivered MVP's in collaboration with clients (Malaysia, Chennai) during hackathons in a short span of time
- **Won spot cash awards and token of appreciation for the excellence in design, solutioning and critical thinking**

**Skill Set: Deep neural net models, ML algorithms, python**

2014-11 - 2019-05



### Project Manager

Ciber India

- Handled HR and OGC related application extensively with US based end users of FORD.
- Proposed and developed automation tools which reduced the 50% team effort and overall cost.
- Evolved as part of innovation team in FORD and developed android application (POC) for plant automation (IOT).
- Handled critical issues and resolved technical bottlenecks which helped in business continuity.
- Handling a team of 15 members with varied skills.
- **Won a spot recognition award for Technical Excellence in Ford in the year 2015, 2016, 2017, 2018.**

Client: Ford Motor Company

**Skill Set: C#.Net, web services, SQL Server, Oracle, Perl CGI, ASP,**

2014-01 -  
2014-09

● **Development Lead**

Vistigion Technologies

- Developed Real time data analytics tool and optimization connecting with devices (IOT).
- Developed full-fledged POS system for restaurants with multilingual support.
- Integrated POS system with mobile devices through web services.
- **Authored a free use article on Web Application Security in 2012-13.**
- **Authored an article on Software Architecture and Best Practices in 2013-14.**

**Skill Set: C#.Net, web services, SQL Server, ASP.Net, VB.Net, SQL Server**

2012-08 -  
2014-01

● **Senior Software Engineer**

Systems Technology Group

- On deputation at Ford, executed a complete conversion and Migration of Ford's B2B and B2C systems using advanced Microsoft Technologies.
- Helped in timely Go Live and roll-outs of various ported/migrated modules.
- Won a spot recognition award for Technical Excellence in Ford in the year 2012, 2013

Client: Ford Motor Company

Skill Set: C#.NET, ASP.NET, SQL Server, Oracle

2010-03 -  
2012-02

● **Team Leader**

Bahwan CyberTek

- Developed a real time decision support platform which is an IP for BCT. This product is suitable as a Plant Performance Improvement system applicable for most of continuous and discrete process industries. **80% of the product was my individual contribution.**
- **Parameter repository, Graphic designer, rule based logic builder & engine, Statistical regression tools & Artificial intelligence based fuzzy logic heuristic reasoning module are major accomplishments.**
- Besides, the core legacy adaptors based on more prevalent MODBUS adaptor was also developed & released.
- Integration with SAP MII, IBM Maximo & Oracle EBS
- Complete end-to-end IBM Maximo backend integration & synchronization was done by me. This assumes significance in the context of serious issues besieging the usage of the EAM functions in the rig operations of the customer.
- **Solution provided was both innovative and robust accounting for network & process delays together.** implemented & commissioned the system onsite in very short duration
- **Adjudged as the best performer in the department of 75 members in BCT for the year 2011.**

Client: BHEL, Aban, TANCEM India, UCC, UAE, OETC Oman

**Skill Set: C#.NET, ASP.NET, SQL Server, Web services, SMTP, TCP/IP**

2005-12 -  
2008-03

● **Senior Developer**

Logica Private Limited

- Implemented 2 Factor Authentication and Simplified Sign On

2004-02 - 2005-12

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over Traditional password based authentication which is susceptible to credential theft, replay and network sniffing attacks.

- Integration with the building access solutions will ensure users workstations are locked when leaving their desk and / or office location
- Involved in developing an Assets Maintenance System, which involves graphical representation of the real time location of the assets.

Client: ABN AMRO

**Skill Set: C#.NET, ASP.NET, SQL Server, SSO Scripting**

2004-02 - 2005-12

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**Developer**

Intouch Systems

- Created Internal Messaging Tool
- Created DLL for HTML Printing for Quotations, Dispatch Instructions and various reports can be directly emailed to concerned parties from the system.
- Involved in developing Web version of the ERP and complete SDLC.

**Skill Set: VB, VB.NET, ASP.NET, SQL Server**



2018-08 - 2019-07

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**Great Lakes, Illinois Institute of Technology: PGP-AIML**

Post Graduate Program in Artificial Intelligence and Machine Learning:

- COURSE PROJECTS:**
- Bank Customer Churn Modelling using Neural Networks
  - Clustering cars based on attributes
  - Identifying potential customers for loans
  - Diagnosing Parkinson's disease using Random Forests
  - Predicting average air fares
  - Checking effectiveness of a new incentive scheme
  - Analyzing the performance of football teams

**Key Skills and Tools:**

Statistics, Regression Analysis, Classification, Ensembles Learning, Cluster Analysis, Principal Component Analysis,

Neural Networks, Keras, Tensorflow,

k means clustering, Hierarchical clustering, EDA, Linear Regression

Logistic Regression, KNN, Classification

Random Forests, Decision Trees, Ensembles Learning

EDA, Multiple Regression, Hypothesis Testing

Hypothesis Testing, Statistics, Python

statistics, python, eda

2001-06 - 2003-05

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**Manonmaniam Sundaranar University, M. Sc.**

**Information Technology**

1998-06 - 2001-05

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**Madurai Kamarajar University, B. Sc. Mathematics**