

# Prabhu Andivelu

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## OBJECTIVE

To obtain a full time position to use my database and IE skills in a customer service industry.

## EDUCATION

**Master of Science in Industrial Engineering- Arizona State University, Tempe, Arizona** **May 2012**

Six Sigma Methodology    Advanced Quality Control    Regression Analysis    Design of Experiments  
Regression analysis    Applied Multivariate Analysis    Operations Research    Simulating Stochastic Systems

**Bachelor of Engineering in Production Engineering - PSG College of Technology, India** **May 2009**

Process Planning & Cost Estimation    Engineering Economics    Financial Management    Quality Assurance

## INTERNSHIP

**Business Analyst Summer Intern, CVS CAREMARK, Arizona** **Jun 11- Aug 11**

- Delivered Project Management methods to establish a project plan and project charter.
- Extracted data from different data warehouses using SQL server and Teradata SQL Assistant.
- Analyzed the collected client data using Six sigma Methods and interfaced with Salesforce.com
- Analyzed the number and types of support cases and set the production pace through Statistical process control Charts and pivot tables using MS Excel.
- Examined and submitted weekly reports for Average turnaround time in Client care Analysis.  
Manager: James Berkey; [james.berkey@caremark.com](mailto:james.berkey@caremark.com) ; 480-661-2465

**Software Developer Intern, Intelizign Engineering Services (P) Ltd, India** **Nov 08-Jun 09**

- Designed and developed the framework using OOP in creating pdf format for all drawing sizes of NX4, a CAD product of Siemens.
- Involved in Creating Bug reports and providing alternate Design Specifications in pdf architecture.

## EXPERIENCE

**Graduate Assistant, Arizona State University** **Oct 10- Present**

- Designed and developed an application using VB.Net for performing load calculations, heating and cooling equipment sizing for all major cities in USA.
- Built database in SQL and developed interfaces between UI tier in MS Excel and Database.
- Conducted factor analysis, principal component analysis, descriptive and regression analysis using SAS, Minitab and interpreted the results using the report.
- Suggested a modification of production line for a manufacturing sector using ARENA and thereby saving \$1320 per week.

**Assistant Systems Engineer, Tata Consultancy Services, India** **Jul 09 – Jun 10**

- Worked in Mainframes Technology using COBOL/CICS/DB2.
- Analyzed and debugged batch programs and online CICS/DB2 programs using COBOL.
- Performed comprehensive Quality assurance tests and projected test design documents.

**Quality Assurance Trainee, CPC Foundries, Coimbatore, India** **Jan 07-Aug 08**

*Reduction of Scabbing defect in cast iron bearing housing*

- Tested the quality of component which is marred by scabs resulting in rejection rate of 42 %.
- Reduced the friability of molding sand and gating design alteration that brought down the pouring time from 34s to 18s.
- Implemented the changes that trimmed the rejection rate from 42% to 18%.

**Co-Op Engineer, Data Analyst-PSG Industrial Institute Foundry, India** **Aug 04-Nov 08**

- Responsible for handling industrial case studies, design and manufacture of pumps and motors.
- Provided technical support to plant engineers in solving problems and data collection
- Ensured quality tasks, thought maintenance of plant equipment and systems.
- Estimated production losses in iron castings and recommend measures to achieve 12% reduced defects.

## TECHNICAL SKILLS

- **Software Packages:** Arena, Microsoft SQL Server, Teradata SQL Assistant, MS office, MySQL ,SAS, MS Visio, MS Project, Minitab, AutoCAD, Pro/E wildfire 3.0, NX 6.0, ANSYS
- **Programming:** AMPL,, Visual Basic, OOPS, SQL, XML,HTML, .NET