

Nirupama Zambre

Email: nirupama@nirupama-zambre.com

Web page: www.nirupama-zambre.com

Phone: 513-885-6984

Education

University of Cincinnati, Cincinnati, OH

Dec 2007

- * Master of Science in Electrical and Computer Engineering
- * Awarded the University Graduate Scholarship and Research Assistantship from Ohio Department of Transportation
- * GPA: 3.6/4.0

Government College of Engineering, University of Pune, India

Aug 2004

- * Bachelor of Engineering in Electrical Engineering
- * Graduated with First class with Distinction
- * GPA: 3.8/4.0

Certifications

- * Developing and Implementing Web Applications with Microsoft Visual C# .NET and Microsoft Visual Studio .NET - Exam 70-315
- * Microsoft Windows SharePoint Services 3.0 - Application Development – Exam 70-541
- * Microsoft .NET Framework 3.5, Windows Presentation Foundation Application Development – Exam 70-502
- * Oracle SQL – Exam 1Z0-007

Computer Skills

- * ASP.NET, C#, VB.NET, ADO.NET, Java, PHP, WPF, Silverlight, WCF Service, Sharepoint, SQL Reporting Services, JavaScript, CSS, Visual Studio (2003, 2005, 2008, 2010), IIS, Rational Rose, UML, MS VSS 6.0, Dot Net Nuke, XML, HTML, MatLab, Oracle, MySQL, MS SQL, MS Access, Subversion, Oracle BI Publisher, Oracle Answers, Crystal Reports

Relevant Work Experience

Application Developer

Healthy Advice Networks, Cincinnati, OH

Sept 2010 - Present

- * Successful analysis of user requirements, design, development, testing of reports for HACOMM using ASP.NET, VB.NET and Oracle 11g database
- * Assisted users in achieving their goals by effectively translating business vision into successful technical design and implementation
- * Responsible for Fogbugz support tickets from users to solve bugs and provide enhancements to the “Customer Management System”, a 3-tier Windows application that sits on 11g Oracle database using VB.NET, WPF, SQL

Programmer Analyst

Global Quality Corp., Cincinnati, OH

Jan 2008 – Aug 2010 (2 year 8 months)

- * Successful design, development, user acceptance testing and quality assurance of Web, Windows, Console applications and Windows services for a debt collection services company using ASP.NET, C#, VB.NET, SQL
- * Designed, developed and deployed an e-commerce web application for a leading food and pharmaceutical company
- * Assisted clients in attaining their business and information technology goals by effectively translating business vision into successful technical design and implementation
- * Created system requirement specifications, detailed project plans with well-defined tasks and milestones and reported ongoing progress to management
- * Demonstrated aggressive pursuit to exceed client expectations with respect to quality, timeliness, and delivery objectives
- * Actively assisted management in researching, analyzing, and recommending system and process improvements designed to promote standardization, better quality, and increased productivity

Research Assistant

Department of Electrical and Computer Engineering, University of Cincinnati, Cincinnati, OH

Sept 2005 – Dec 2007 (2 years 4 months)

- * Actively assisted Ohio Department of Transportation management in researching and analyzing historic data for the project titled “Degradation Rates of various Ohio Bridge Types” under Dr. Arthur Helmicki
- * Successfully applied a stochastic Markov chain on historic bridge data, which provided insights into bridge performance issues and degradation rates
- * Successful implementation of project for future design, maintenance planning, predictive modeling and cost optimization of 45,000 Ohio State bridges
- * Demonstrated technical abilities involving data extraction and transformation, data quality issues, statistical analysis, stochastic modeling, web programming, data mining and process automation using MySQL and Matlab

Jr. Quality Assurance Analyst

Continental Engineering, India

Dec 2004 - June 2005

- * Successfully aligned business processes with corporate objectives and strategic initiatives which led to 25% revenue improvement
- * Administrative and technology improvements with tangible transformation in quality, safety, cost, and productivity
- * Implemented continuous improvement initiatives, while growing and sustaining a culture of teamwork, communication, and inclusiveness

Graduate Trainee

Chemito Technologies Private Limited, India

Jun 2004 - Dec 2004

- * Successful testing (electrical and chemical testing) of a variety of spectrophotometers (UV, visible, atomic absorption, flame photometers, gas chromatographs, high performance liquid chromatographs)
- * Implemented programming for the micro-controller (8051 based) consistent with the functional requirements

Researcher

Government College of Engineering, Pune, India, Department of Electrical Engineering

Jan 2003 - Jun 2004

- * Completed the research project “A Micro-Controller Based Three - Phase Power Meter” with its prototype and several attributes in a team of four
- * Successfully interfaced and programmed micro-controller (P89C51) with a LCD display and a keyboard (4x4 matrix) and ADC (PCF8591) to acquire signals, manipulate, calculate data and display the parameters such as line and phase voltages

Research Publications

- * N. Zambre, et al. “*Degradation Modeling of Ohio State Bridges*”
- * N. Zambre and P. Baldawa, “*Alternatives for Conventional Fuels*”, University of Pune, Department of Physics, Feb. 2004

Graduate Coursework

Web Application Development, Java Programming Language, Database Theory, Data Warehousing and Mining, System Analysis and Modeling, Random Processes, Stochastic Modeling, Intelligent Systems, Biomorphic Systems, Digital Signal Processing

Graduate Projects

- * Data Warehousing and Mining:
[Data Warehousing, Data Mining and Knowledge Discovery using MySQL and SAS](#)
- * Web Application Development: [Ovation Theatre Company](#)
- * System Analysis and Modeling: [Ovation Theatre Company](#)
- * Introduction to Digital Signal Processing: [Changing the Sampling Frequency of a Digital Signal](#)

Affiliations

- * Cincinnati .NET User Group (CINNUG)
- * Cincinnati Sharepoint User Group (CINSPUG)
- * Institute of Electrical and Electronics Engineers (IEEE)
- * University of Cincinnati Alumni Association
- * Government College of Engineering Alumni Association, India

References

Available on request

Online copy (PDF format) available at: <http://www.resume.nirupama-zambre.com>