

## Sujata V. Kodgire

Quillen #9I, Escondido Village  
Stanford, CA 94305

(650)-497-1161  
sujk@stanford.edu

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- OBJECTIVE** Summer internship offering a challenging position in software design and development, preferably in the areas of systems and networking.
- EDUCATION** Stanford University, Stanford, CA  
M.S. in Computer Science, Expected March 2001  
Major in Systems
- Pune Institute of Computer Technology, Pune University, Pune, India.  
B.E in Computer Engineering, June 1997
- COURSEWORK** Computer Networks Java Programming  
Database System Principles Programming Languages  
Design and Analysis of Algorithms Logic Design and Automated Reasoning
- HONORS** Ranked seventh in the University of Pune, Computer Engineering, Class of 97.  
Recipient of National Merit Scholarship, awarded by Govt. of India.
- COMPUTER SKILLS** **Languages:** Java, C, C++, PL/SQL, SQL\*PLUS, HTML, Perl, Visual Basic, Visual C++, CGI-Script, Java-Script, Visual-Basic Scripting.  
**Operating Systems:** Unix (Solaris), Windows 95, Windows NT, Palm OS, Dos.  
**Databases:** Oracle 7.3, MS Access, Informix, Remedy
- EXPERIENCE**  
9/99 - Present  
**Stanford Linear Accelerator Center, Palo Alto, CA**  
**Research Assistant, Business Information Systems:**
- Responsible for development and maintenance of Intranet web sites at BIS. The intranet provides a web-based access/inquiry interface to the underlying PeopleSoft databases using ASP.
- 03/99 – 08/99  
**Cirrus Logic, Inc**  
**Senior Programmer/Analyst**  
Created an Asset Inventory system using Informix database/Remedy database.
- Designed and developed the front-end data-entry as well as the back-end database automation modules for this system. Front-end included a module for interfacing through the palm-pilot. This module was developed using the Palm OS.
  - Developed a module to upload the data from the palm-pilot to the PC in the form of a text file. This was developed using VC++.
  - Developed an application to update the Informix database based on the data obtained from the palm-pilot.
- Created a web-browser for the Informix database.
- Enables users to browse/search database through the web.
  - Enables user to do powerful SQL based searches through the web.
  - Provides customizable printing/reporting capability through the web.
- 7/97 – 8/98  
**Persistent Systems Pvt Ltd, Pune**

**Member of Technical Staff:** Member of the QCClient development team. QCClient is a product developed for the Chemical Analysis Solutions Division of Hewlett-Packard, USA. It combines the Microsoft Windows NT desktop user environment with a proven reliable, high-performance HP-UX server and the Oracle 7.x database. The project was developed in Visual Basic 5.0.

- Analyzed requirements and determined the objects in problem domain.
- Developed forms and processing logic in Visual Basic.
- Contributed to the project by developing two important modules and enhanced a number of existing modules for new functionality.
- Present during the complete release of the product: from the time of Requirement Definition through the period of its Development – to the point of its final release.

Worked on including other features like:

- Report Generation.
- Scheduling of a particular test or event on a particular day and time.
- Inclusion of Security permissions, which can be modified by the administrator for every user.

06/96 - 05/97

**Computer Vision R&D (India), Pune**

**Programmer:** 3D-Modeler - A 3D design environment

- Collected, analyzed requirements and determined key components in the problem domain.
- Implementation of the curves and surfaces using the concept of blending functions.
- Design included the following: Processing Narrative, Data Flow Diagram, Process Specification and Control Specification.
- Developed features to create following objects: Lines, Bezier curves and surfaces, B-spline curves and surfaces, cone, cylinder, sphere, ruled surfaces and surfaces of revolution.
- Provided facility to store the created model as files.
- Provided a G.U.I to draw the various objects with image processing facilities like zoom in/zoom out, scaling, rotation, translation and mirroring.
- Code developed in VC++ on Windows 95/Windows NT platform.

06/96 - 05/97

**Pune Institute of Computer Technology, Pune**

**Senior Year Project:** Project Monitoring System.

Designed and developed a project monitoring system that allows users to keep track of the projects been done at a particular institution. A database is maintained to store the information about projects assigned. The database stores information regarding the project name, name of students, name of the company sponsoring the project and other relevant data.

- Developed interfaces to allow the user to add, delete, update and view records.
- Provided key based searches.
- Application developed in Visual Basic and Access Database

07/94 - 05/95

**Pune Institute of Computer Technology, Pune**

**Programming Project:** College Inventory System.

Designed and developed an extensive inventory database system to maintain student records. Added extensive graphical interactive querying capabilities.

- Collected functional requirements and wrote case scenarios based on it. The case scenarios contain a detailed description of actions to be performed for a user request.
- Analyzed the requirements and determined the basic objects in the problem domain.
- Developed Code in C to provide menu-support and other tasks like storage and retrieval of a particular student record, tabular and graphical representation of the performance of individual students, graphical representation of the relative performance of the students of a particular year.

**REFERENCES** Available on request.