

# NIRAL SHUKLA

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<b>OBJECTIVE</b>	To obtain engineering employment in software development.	
<b>EDUCATION</b>	<b>Bachelor of Science in Computer Science, expected in Dec 2005</b> University of Illinois at Chicago (UIC), <i>GPA: 3.2/4.0</i>	
	<b>Diploma in Industrial Electronics, 2001</b> Terna Polytechnic, Mumbai (Bombay), India	
<b>COURSEWORK</b>	Data Structures and Discrete Mathematics Assembly Language Programming	Operating Systems Design Software Design
<b>CERTIFICATIONS</b>	<b>Microsoft Certified Systems Engineer (MCSE)</b> (April 2000) <i>Network environment, Windows NT Server and workstation.</i>	
<b>COMPUTER SKILLS</b>	<b>LANGUAGES:</b> C, C++, Java, BREW, J2ME, J#, C#, .NET, HTML, XML, JavaScript, MIPS. <b>SYSTEMS:</b> UNIX, Linux, MS-DOS, Windows 9*, XP & NT.	
<b>PROJECTS</b>	<ul style="list-style-type: none"><li>▪ Implemented Unix-like Operating system written in C/C++ on Solaris. This system performed process handling and task scheduling.</li><li>▪ Implemented 'Mastermind', 'Quits' and 'WordPop' board games in Java using GUI interface created with Swing and AWT class libraries.</li><li>▪ Designed and implemented the Rhyming Dictionary in Java using a 'trie' data structure and OOP techniques like inheritance, polymorphism and abstraction.</li><li>▪ Implemented a "proxy server", using Java socket programming, caching web pages using hash tables &amp; implementing the "client-server" programming model.</li><li>▪ Implemented a GUI based multi-threaded chat messenger on multiple clients that handled chatting with numerous people at the same time using TCP as the underlying protocol.</li><li>▪ Implemented "Floyd-Warshalls" algorithm for finding the shortest path and the shortest distance between all vertices using an undirected graph that included negative weights.</li><li>▪ Designed a custom help system using JavaHelp API. The configuration files were written in XML. Content files were created using HTML 3.2. JavaHelp is platform independent. Some of the features implemented were: searching, context sensitive help and history listing.</li><li>▪ Designed and implemented a streaming video client and server, that uses "UDP" as the underlying transport protocol. The video stream uses images sent from the server to the client using Java DatagramPackets. Each image is sent as its own packet. The client was designed with a GUI based application that displayed each packet as it was received and displayed the received images.</li><li>▪ Created a web-based trucking freight center application. The application was implemented using .NET. I designed a webservice, used an external webservice and a database to store and retrieve freight information as well as the account information requested by the user</li></ul>	
<b>EXPERIENCE</b>	<b>Intern, Software Developer</b> Novarra Inc, Itasca, IL	<b>Mar 2005 - Present</b>
	<ul style="list-style-type: none"><li>▪ Developing and designing new features, fixing software bugs and memory leaks for the BREW (C++) web-browser on target phones for major carriers.</li></ul>	
	<b>Intern, Test Engineer</b> Novarra Inc, Itasca, IL	<b>Oct 2004 - Feb 2005</b>
	<ul style="list-style-type: none"><li>▪ Testing J2ME, BREW and PALM web browsers for wireless devices.</li></ul>	
	<b>Faculty, Computer and Networking Engineer</b> Visual Net Communications, Bombay, India	<b>May 1999 - Nov 2001</b>
	<ul style="list-style-type: none"><li>▪ Network Administrator and MCSE instructor.</li></ul>	
	<b>Quality Maintenance Manager</b> Design Concepts, Bombay, India	<b>Jan 1999 - May 1999</b>
	<ul style="list-style-type: none"><li>▪ Printed circuit board assembly, quality control, repairs and maintenance.</li></ul>	
<b>REFERENCES</b>	Available upon request.	