

NEHA SINHA

9450 Gilman Drive, La Jolla ♦ San Diego, California, 92092
(858)291 2248 ♦ nesinha@eng.ucsd.edu ♦ <http://nesinha.github.io>

EDUCATION

UNIVERSITY OF CALIFORNIA, SAN DIEGO

Masters in Computer Science

September 2015 - June-2017

Overall GPA: 3.8/4

M.S. RAMAIAH INSTITUTE OF TECHNOLOGY, INDIA

Bachelor of Engineering in Computer Science

September 2009 - May 2013

Overall GPA: 9.54/10

EXPERIENCE

MICROCHIP TECHNOLOGY

Software Engineer I, Bangalore, India

July 2013 - May 2015

- Designed and Implemented APIs to be used by the e-commerce projects of the organization
- Devised a strategy for data access repository using Entity Framework and ASP.NET MVC 5
- Created caching technique to store product attributes and invalidate cache objects upon changes in physical storage
- Added and enhanced several features like lead time (similar to wish-list), add to cart on login landing page, on the e-commerce site www.microchipdirect.com
- Created test cases and performed manual testing(UAT) on e-commerce and internal applications

UNIVERSITY OF CALIFORNIA, SAN DIEGO

Teaching Assistant, San Diego

August 2016

- Course: Enterprise-class Web Applications
- Role: Assisted and managed a project oriented class of 30 students independently
- Technology used: MySQL, MVC architecture, API, ajax, knockout.js, MOQ framework

PROJECTS

- **Distributed File System**
Implemented RMI library (Remote method invocation) in distributed systems. Developed a simple distributed filesystem using the RMI library
- **Simplified Haystack implementation:** *Docker, Memcached, Cassandra, NGINX*
Implemented a simplified version of haystack using docker containers
- **Web Application:** *AngularJs, HTML, CSS, Bootstrap, Ajax, API*
Designed and developed my personal web portfolio from scratch
Developed mini web applications like random quote generator and weather app

TECHNICAL STRENGTHS

Programming Languages	C++, C#, ASP.NET(Web forms & MVC)
Web Technologies	HTML/CSS, JavaScript & jQuery, Ajax, Web API/web services, AngularJS, Bootstrap
Database Technologies:	RDBMS : SQL, stored procedures
Tools:	FxCOP, Microsoft Visual Studio, MySQL, Docker, Git, SCM
Skills:	OO Design Patterns, Software Development

RELEVANT COURSES

Design & Analysis of Algorithms
Enterprise Web Applications
Cloud Computing

Database Theory
Distributed Systems
Data Structures