NEHA SINHA

SGA, Justice Lane ● San Diego, CA 92122 ● (858)291 2248 ● nesinha@eng.ucsd.edu
https://www.linkedin.com/pub/neha-sinha/4b/82/3a8

http://nesinha.github.io/

SUMMARY

A highly motivated individual with 22 months of technical experience in designing, implementing and maintaining modules in e-commerce websites. Great commitment and affinity to meet deadlines without compromising accuracy and quality of work.

TECHNICAL SKILLS

- **Programming Languages**: C++, C# ASP .Net (web forms & MVC), C
- **Web Technologies**: HTML, CSS, JavaScript, JQuery, Ajax, Telerik controls, XML, web services/APIs, Angular(Beginner)
- **Database Technologies:** SQL, stored procedures
- **Tools**: FxCOP, Microsoft Visual Studio, MySQL, Docker
- Good understanding of Data Structures and Algorithms, OO Design Patterns, OO concepts
- **OS**: Windows, Linux

EDUCATION

- Masters in Computer Science, University of California, San Diego, CA — April 2017 (GPA: 3.75)
- Bachelor of Engineering, Computer Science, MSRIT, India — May 2013 (CGPA: 9.54)

WORK EXPERIENCE

***Teaching Assistant*, *Enterprise-class Web Applications* , UCSD** **Aug 2016 to Present**

- Assisted a class of 30 students independently or in small groups in the development of project. Technology used: MySQL, MVC architecture, API, ajax, knockout.js, MOQ framework

***Software Engineer I*, Microchip Technology, Bangalore, India** **July 2013 to May 2015**

- Designed and Implemented APIs to be used by all the e-commerce projects of Microchip Technology. Devised the strategy for data access using repository with ASP.NET MVC 5 and Entity Framework.
    - Created cache technique to store product attributes and invalidate objects when the data changes in the product table and created product web service that runs on top of cache.
- Added and enhanced several critical features like lead time (similar to wish-list), add to cart on login landing page, in the e-commerce site www.microchipdirect.com
- Automated the label printing process through utility website at Microchip Technology.
- Automated the process of creation implementation document which resulted in 0 rollback during production push due to missing files or stored procedures.
- Created Test Cases and performed manual testing on several applications. Pointed out major bugs before releasing the project to UAT phase, facilitating negligible post production bugs.

PROJECTS

- Established a 4 node cluster with 1 master and 3 slaves. Designed and implemented an algorithm for hadoop scheduler with the feature of deadline constraint.
  Link to my publication: http://airccse.org/journal/ijccsa/papers/4514ijccsa01.pdf
- Implemented the RMI library (Remote method invocation) in distributed systems using Java. Used docker containers for testing of RMI library.
- Designed a Canonical LR Parser with a single look ahead terminal in C.