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# NEHA SINHA

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## SUMMARY

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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.

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## TECHNICAL SKILLS

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- **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
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## EDUCATION

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

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

- 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](http://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.
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## PROJECTS

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- 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.