

# NIKHIL PRASHAR

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## EDUCATION

Master of Science, Computer Engineering GPA: 3.929/4.0 Syracuse University, NY	May 2018 (Expected)
Bachelor of Technology, Information Technology GPA: 3.78/4.0 Manipal University, Manipal Institute of Technology, India	May 2016

## TECHNICAL SKILLS & INTERESTS

**Languages:** Java, C, C++, C#, SQL, HTML/CSS, Xaml, Xamirin, Android, Git.

**Web Technologies:** JavaScript, AngularJS, Angular 2, SpringMVC, Entity Framework, ASP .NET, Firebase.

## WORK EXPERIENCE

<b>Graduate Teaching Assistant, Syracuse University, Syracuse, NY</b>	
- Object Oriented Design Course (C++)	January 2017 – Present
- Software Modelling and Analysis Course (C# .NET, WCF, WPF)	August 2017 – December 2017
<b>Software Engineering Intern (Angular 2, ASP .NET, Entity Framework, Xamirin Framework, XAML)</b> Slalom Consulting, Boston, MA	June 2017 – August 2017
<ul style="list-style-type: none"><li>Worked with a team using <b>Agile Development cycle</b> and developed a <b>Web Application</b> and a <b>Mobile Application</b> for Slalom Consultants focused on making entries and approvals for expenses (for reimbursements) quicker and easier.</li><li>Designed a database to handle expense information &amp; Entity Framework code first migrations were involved to manage the database.</li><li>The Web Application was implemented using <b>Angular 2 &amp; ASP .NET</b>. The Mobile Application was implemented using <b>Xamirin and Prism frameworks</b>, with <b>XAML</b> as the front-end.</li></ul>	
<b>Graduate Analyst Intern (Spring MVC, Angular JS, Java, JUnit)</b> Blackrock Inc, Gurgaon, India	January 2016 - June 2016
<ul style="list-style-type: none"><li>In a team of three, we were assigned to work on a <b>Web Application (Agile Dev)</b>, that would handle FIX Message Configurations.</li><li>Configuring and saving FIX Message configurations to the database was automated, to avoid manual database entries.</li><li>Backend was implemented using <b>Java &amp; SpringMVC Architecture</b>. <b>AngularJS</b> and <b>HTML/CSS</b> was used for the front-end development.</li><li>The Application was tested using <b>JUnit</b>.</li></ul>	

## ACADEMIC PROJECTS

<b>VenYou (Android, Angular 2, Firebase), Syracuse University</b>	October 2017 – December 2017
<ul style="list-style-type: none"><li>Developed an event organization application on Mobile (<b>Android</b>) and Web (<b>Angular 2</b>) platforms – to allow users to participate in events and host events.</li><li>Location based recommendations were implemented using <b>AGM</b> for Web and <b>google maps API</b> for Android.</li><li><b>Firebase connectivity and authentication</b> was implemented to store &amp; access event and user details.</li></ul>	
<b>OrangeDrive (Android, Firebase), Syracuse University</b>	October 2017 – December 2017
<ul style="list-style-type: none"><li>Developed a Campus Recruitment portal for Syracuse University for Mobile (<b>Android</b>) platform, using <b>different layouts, RecyclerView Views, View Pagers, Multiple Fragments</b> and <b>firebase connectivity and authentication</b> to store &amp; access student and job information.</li><li>Students could search and apply for jobs, that were posted by recruiters that visit campus for career fairs.</li><li>Recruiters could post a new job opening and review student applications.</li></ul>	
<b>Type-based dependency Analysis &amp; Remote Code Publisher (C++, HTML, CSS, JS), Syracuse University</b>	February 2017 – May 2017
<ul style="list-style-type: none"><li>Developed a tool that performs <b>Dependency Analysis</b> on files and <b>Publishes</b> them as web pages.</li><li>Analyzer extracts lexical contents from source code files - <b>“.h”, “.cpp”</b> and <b>“.cs”</b>. It generates an <b>Abstract Syntax Tree</b> and analyzes it to build a <b>Type Table</b> to find dependencies between a set of files which get stored in a <b>No-SQL</b> database.</li><li>The Publisher publishes the analyzed files as web pages and provides the facility to expand and collapse classes and functions bodies.</li></ul>	
<b>Key/Value No-SQL Database (C++), Syracuse University</b>	January 2017 – February 2017
<ul style="list-style-type: none"><li>Developed a No-SQL In-memory database to handle massive data collection and analysis, using XML support to persist the database.</li><li>Implemented a template class that provided a Key/Value in-memory database with each value consisting of an item name, category name, text description, time-date recording the written time to the database and a list of child relationships.</li><li>Functions were included to support complex queries to the database (union/intersections of two or more keys).</li></ul>	
<b>Test Harness (C#, .NET, WCF, WPF, Multithreading, App Domains), Syracuse University</b>	August 2016 – December 2016
<ul style="list-style-type: none"><li>Developed an Automation Testing Tool based on a Client Server Architecture to automate integration testing.</li><li>The tool tests the functionality of multiple client's code concurrently and generates detailed test reports and sends it back to client.</li><li>Each test execution runs a test driver on a small set of packages, recording pass status and logging execution details. Test requests were submitted to the Test Harness via request messages naming one or more test driver executions.</li></ul>	

## ACCOMPLISHMENTS

• 50% Scholarship grant at Syracuse University. • Best Intern Project Award at Slalom Consulting Summer Project fair, 2017.