

# NIKHIL PRASHAR

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## EDUCATION

Master of Science, Computer Engineering GPA: 3.929/4.0 May 2018 (Expected)  
Syracuse University, Syracuse, NY

Bachelor of Technology, Information Technology GPA: 3.78/4.0 May 2016  
Manipal University, Manipal Institute of Technology, India

## 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

Graduate Teaching Assistant, Syracuse University, Syracuse, NY

- Object Oriented Design Course (C++) January 2018 – Present
- Software Modelling and Analysis Course (C# .NET, WCF, WPF) August 2017 – December 2017

Software Engineering Intern (Angular 2, ASP .NET, Entity Framework, Xamirin Framework, XAML) June 2017 – August 2017  
Slalom Consulting, Boston, MA

- Developed **Web Application** and **Mobile Application** for Slalom consultants using **Agile Development Cycle** to make entries and approvals for expenses & reimbursements quicker and easier.
- Designed database & used **Entity Framework** Code-first migrations to manage expense information.
- Implemented Web Application using **Angular 2 & ASP .NET**.
- Implemented Mobile Application using **Xamirin and Prism frameworks**, with **XAML** as the front-end.

Graduate Analyst Intern (Spring MVC, Angular JS, Java, JUnit) January 2016 - June 2016  
Blackrock Inc, Gurgaon, India

- Designed **Web Application** using **Agile Development Cycle** to handle FIX Message Configurations.
- Automated saving FIX Message configurations to the database to avoid manual database entries.
- Implemented back-end using **Java & SpringMVC Architecture** & front-end using **AngularJS** and **HTML/CSS**.
- Tested application using **JUnit**.

## ACADEMIC PROJECTS

VenYou (Android, Angular 2, Firebase), Syracuse University October 2017 – December 2017

- Developed Event Organization Application on Mobile (**Android**) and Web (**Angular 2**) platforms – to allow users to participate in events & host events.
- Implemented location-based recommendations using **Angular-Google-Maps (AGM)** for Web & **Google Maps API** for Android.
- Implemented **firebase connectivity and authentication** to store & access event & user information.

OrangeDrive (Android, Firebase), Syracuse University October 2017 – December 2017

- Developed Campus Recruitment Portal for Syracuse University for Mobile (**Android**) platform, using **different layouts, RecyclerViews, View Pagers, Multiple Fragments** and **firebase connectivity and authentication** to store & access student & job information.
- Provided functionalities for students to filter, search & apply for jobs, that were posted by recruiters that visit campus for career fairs.
- Provided functionalities for recruiters to post new jobs & review student applications.

Type-based dependency Analysis & Remote Code Publisher (C++, HTML, CSS, JS), Syracuse University February 2017 – May 2017

- Developed tool to perform **Dependency Analysis** on files and **publish** them as web pages.
- Extracted lexical contents from source code files to generate **Abstract Syntax Tree** & analyzed it to build **Type Table**.
- Analyzed **Type Table** to find dependencies between set of files which get stored in **No-Sql** database.
- Published analyzed files as web pages and provided facility to expand and collapse classes and function bodies.

Key/Value No-SQL Database (C++), Syracuse University January 2017 – February 2017

- Developed No-SQL In-memory database to handle massive data collection and analysis, using XML support to persist the database.
- Implemented template class that provided Key/Value in-memory database with each value consisting of item name, category name, text description, time-date recording the written time to the database and list of child relationships.
- Implemented packages to support complex queries to database (union/intersections of two or more keys).

Test Harness (C#, .NET, WCF, WPF, Multithreading, App Domains), Syracuse University August 2016 – December 2016

- Developed Automation Testing Tool based on Client Server Architecture to automate integration testing.
- Implemented functionality to test multiple client's code concurrently and generate detailed test reports for client.
- Executed tests that run test driver on small set of packages, recording pass status and logging execution details.
- Submitted Test Requests to Test Harness via request messages naming one or more test driver executions.

## ACCOMPLISHMENTS

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