NIKHIL PRASHAR

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EDUCATION

Master of Science, Computer Engineering **GPA: 3.929/4.0** **May 2018 (Expected)**
Syracuse University, 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 2017 – 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
- Worked with a team using **Agile Development cycle** and developed a **Web Application** and a **Mobile Application** for Slalom Consultants focused on making entries and approvals for expenses (for reimbursements) quicker and easier.
- Designed a database to handle expense information & Entity Framework code first migrations were involved to manage the database.
- The Web Application was implemented using **Angular 2 & ASP .NET**. The Mobile Application was implemented 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
- In a team of three, we were assigned to work on a **Web Application** (**Agile Dev**), that would handle FIX Message Configurations.
- Configuring and saving FIX Message configurations to the database was automated, to avoid manual database entries.
- Backend was implemented using **Java** & **SpringMVC Architecture**. **AngularJS** and **HTML/CSS** was used for the front-end development.
- The Application was tested using **JUnit**.

ACADEMIC PROJECTS

VenYou (Android, Angular 2, Firebase), Syracuse University **October 2017 – December 2017**
- Developed an event organization application on Mobile (**Android**) and Web (**Angular 2**) platforms – to allow users to participate in events and host events.
- Location based recommendations were implemented using **AGM** for Web and **google maps API** for Android.
- **Firebase connectivity and authentication** was implemented to store & access event and user details.

OrangeDrive (Android, Firebase), Syracuse University **October 2017 – December 2017**
- Developed a Campus Recruitment portal for Syracuse University for Mobile (**Android**) platform, using **different layouts**, **Recycler Views**, **View Pagers**, **Multiple Fragments** and **firebase connectivity and authentication** to store & access student and job information.
- Students could search and apply for jobs**,** that were posted by recruiters that visit campus for career fairs.
- Recruiters could post a new job opening and review student applications.

Type-based dependency Analysis & Remote Code Publisher (C++, HTML, CSS, JS), Syracuse University **February 2017 – May 2017**
- Developed a tool that performs **Dependency Analysis** on files and **Publishes** them as web pages.
- Analyzer extracts lexical contents from source code files - **".h", ".cpp"** and **".cs".** It generates an **Abstract Syntax Tree** and analyzes it to build a **Type Table** to find dependencies between a set of files which get stored in a **No-SQL** database.
- The Publisher publishes the analyzed files as web pages and provides the facility to expand and collapse classes and functions bodies.

Key/Value No-SQL Database (C++), Syracuse University **January 2017 – February 2017**
- Developed a No-SQL In-memory database to handle massive data collection and analysis, using XML support to persist the database.
- 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.
- Functions were included to support complex queries to the database (union/intersections of two or more keys).

Test Harness (C#, .NET, WCF, WPF, Multithreading, App Domains), Syracuse University **August 2016 – December 2016**
- Developed an Automation Testing Tool based on a Client Server Architecture to automate integration testing.
- The tool tests the functionality of multiple client's code concurrently and generates detailed test reports and sends it back to client.
- 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.

ACCOMPLISHMENTS

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