

DARSHAN MAIYA

GRADUATE STUDENT, FORMER SOFTWARE DEVELOPER, SEEKING SUMMER INTERNSHIP

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EDUCATION

University of California, Santa Barbara, USA **2017**

Master's in Computer Science

Relevant Coursework: Advanced Operating Systems, Scalable Internet Services

R.N.S Institute of Technology, Bangalore, India **2013**

Bachelor of Engineering in Computer Science (82.64%)

Relevant Coursework: Data Structures, Algorithms, Object Oriented Programming, Computer Networks

EXPERIENCE

Software Developer, IBM Software Group **Jul 2013 – Aug 2015**

- Contributed to 4 products of the Rational software division: Rational Engineering Lifecycle Manager (RELM), IBM Jazz Reporting Service (JRS), Rational Publishing Engine (RPE) and Rational Team Concert (RTC).
- **Developed complex and hybrid web UIs** for RELM, JRS and RPE while contributing to the VS.NET client of RTC.
- Worked with technologies such as HTML, CSS, JavaScript, Java, jQuery, Bootstrap, Ajax, .NET, and C#.
- Contributed to a proof of concept demonstrating ALM-PLM integration through RTC and Aras.

Project Trainee (Intern), IBM Software Group **Jan 2013 – Jun 2013**

- Developed a proof of concept web application called “?SPARQLed” which allowed users to **visualize SPARQL queries** as graphs and fetch data from RDF backed data stores.
 - Worked with technologies such as HTML, CSS and JavaScript (Dojo) for the frontend and Java, XML and SPARQL for the backend.
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PROJECTS

- **Product Grabber** [Amazon Web Services, Ruby on Rails] (Ongoing)
Part of a team of 4, developing a product comparison tool to compare prices and specifications of various products to find the best one. Main goal is to develop a complex web application and use a combination of different techniques to scale the application and handle a large user load while removing performance bottlenecks.
- **File System for Linux** [C, FUSE, Linux] (Ongoing)
Part of a team of 4, developing a user space file system compatible with Linux using FUSE. Main goal is to get the experience of building a production quality file system while simultaneously understanding the Linux file system APIs.
- **Cloud Based Time Table Generation using Genetic Algorithms** [Google App Engine, Java, HTML, CSS, JavaScript]
Led a team of 4 in developing a Time Table Generator which allows colleges to prepare their time table (schedule) by specifying the required data and constraints. I focused on leading the team while working on the front end and database.
- **Online Teacher Appraisal System** [C#, SQL Server, ASP.NET]
Part of a team of 6 in which developed a Teacher Appraisal System to automate the process of teacher appraisal in the college and to provide faster feedback for teachers while reducing the errors in results. My role focused on the web UI.
- **Network Intrusion Detection System** [Java, WindowBuilder Pro, WinPcap]
Led a team of 3 in developing an Intrusion Detection System which monitors packets transferred over the network card of a system as per user specified parameters and raises an alert when an anomaly is detected.

SKILLS

Programming Languages: C, C++, Java, C#, Ruby on Rails

Web Technologies: HTML, CSS, JavaScript [jQuery, Bootstrap, BackboneJS]

Databases: MySQL, SQL Server, Oracle

CERTIFICATIONS

- **Certified ScrumMaster®** by Scrum Alliance
- **AMCAT Certified Software Engineer - Product** by Aspiring Minds