

# PREM KUMAR MURUGESAN

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## OVERVIEW

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Qualified professional who enjoys challenge seeking opportunity to learn and improve skills in the field of Computer Science.

## EDUCATION

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### Master of Science in Computer Science (Jan 2015 – Present)

University of North Carolina at Charlotte, NC, USA

### Bachelor of Engineering in Electronics and Communication Engineering

Anna University, Chennai, India | June 2013      GPA 7.15/10

## PROFESSIONAL EXPERIENCE

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### Programmer Analyst Trainee

Chennai, INDIA

### Cognizant Technology Solutions India Pvt Ltd

Sep 2013 – Nov 2014

- Developed a web application with 3-tier architecture using ASP.NET and SQL Server for Library Management System during training period. (Sep 13 – Jan 14)
- Worked in performance testing for web applications : Staples Inc. (Jan 14 – July 14)
  - Tested [www.staples.com](http://www.staples.com) and [www.staples.ca](http://www.staples.ca) with various loads and measured performance metrics like response time, peak load for occasions like Black Friday and Cyber Monday.
- Worked in performance testing for SaaS : MedImmune owned by AstraZeneca (July 14 – Nov 14)
  - Since it was an Offshore driven project I had an opportunity to interact with the clients from Gaithersburg, Maryland directly.
  - Performance Tested a Citrix/HTTP protocolled application called “LIMS Labware” using HP Load runner.

## SKILLS

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- Programming Languages
  - Java, C++, Python, C#
- Area of Interest
  - Algorithms & Data Structures
  - Machine Learning
  - Data Mining
  - Application Development

## PROJECTS

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**Facebook Personal Data analysis using Swift (Current):** An app for the iOS platform that will collect and process usage statistics from a user's profile in the social networking site – Facebook (using Facebook Graph API), and generate insightful graphs for the user to analyze his/her usage.

**Career Fair Application (Feb – March 2015):** Built a career fair application in android that will be useful to students/alumni and recruiters in a campus recruiting scenario in a University system. This app lists all the companies who will be attending the career fair with their brief introduction, available positions, e-pamphlets, link to recruiter's website, and directions to apply for positions and the location where the company would put their stall on the career fair day

**Algorithms and Data Structures (Spring 2015):** Implemented the Naïve method, Backtracking Algorithm with both non-linear and linear memory to find the longest common subsequence between two strings using Java. Various implementation of this algorithm is widely used by revision control system.

**Email Extractor (Feb 2015):** Scripted using Jmeter to extract list of encoded email-ids from the participant page and decoded them to correct email-ids using Java. This is a self-experimented project which help to create a DL by students for any course that they register. Code not published in GitHub due to security.

**Projects Repository:** <https://github.com/iamprem>