

# Shrikanth Narayanaswamy Chandrasekaran

website: <https://tiny.cc/shrikanth>

## SUMMARY

An Engineering graduate with 9 years of industry experience, presently pursuing my PhD at NC State.

**Research areas :** *Software Engineering, Machine learning, Software defect prediction and Software Effort estimation.*

## EDUCATION

2017 - Pursuing, PhD in Computer Science at North Carolina State University.

2004 – 2008 : 4 year full-time Bachelor of Engineering in Electronics and Communication, Saveetha Engineering College, affiliated to Anna University – Chennai

## EMPLOYMENT HISTORY

2017 – NC State University

**Lab :** RAISE(<http://ai4se.net/>)

**Advisor :** Dr.Tim Menzies (<http://menzies.us/>)

### **Role: Teaching & Research Assistant**

- Been a Teaching assistant for DBMS, Software Testing and presently Software Engineering.
- Recent open source contribution: [Ok Eclipse - Voice enabled ID](#)
- Research areas : Validating Intuitions in Software Engineering using data mining.

2014 – 2017                      **Accenture Solutions Private Limited, Bangalore India**

### **Role: Technology R&D Specialist**

- Validate research intuitions, publish and protect ideas.
- *Recognized for outstanding contributions ( 2 publications and filed 3 patents).*

2011 – 2014                      **ABB India Limited, Bangalore India**

**Role: Software Engineer** | Software Development, LV Systems R&D

- Developed a standalone Low voltage switchgear configuration and reporting tool predominantly based on Java.
- *Star Employee for a quarter*

2008 – 2011                      **Infosys Limited, Chennai India**

Updated : 2/4/2019

## Role: Senior Systems Engineer

- Build tools around banking domain and integration infrastructure.
- *Finacle on the spot award*

## SKILLS

- Standalone product development
  - Java Standard Edition 1.6 and python 3
  - Using Java Swing and Eclipse platform
- Software Engineering
  - Object Oriented Analysis and Design, design patterns and UML
- Project Management
  - Methodologies : Test driven development, Spiral model and waterfall
  - Tools : WBS, MS Project and MS Office suite
- Research areas
  - Crowdsourcing, Program analysis (repair), Software maintenance (incident management), Data science pertaining to SE.
- Machine learning
  - Weka,R statistical package,MATLAB, scikit and Carrot2, Splunk and ELK stack
- Other
  - CMU Sphinx and Open NLP
  - LaTeX, HTML, CSS, C#,javascript, AWS, slack and Apache tomcat

## PUBLICATIONS

- *Trustworthiness in enterprise crowdsourcing: a taxonomy & evidence from data.* (ICSE '16).
- *CrowdBuild: a methodology for enterprise software development using crowdsourcing.* (CSI-SE ICSE '15).

## PATENTS FILED

1. Automated Inference Of Evidence From Log Information
2. Method and system for visual requirements and component reuse driven rapid application composition
3. Incident Prediction and Prevention
4. Generating a Test Script Execution Order.

## CERTIFICATIONS

- [1] Sun/Oracle certified Java Programmer Java SE 1.6
- [2] Sun/Oracle certified Web component developer JavaEE 5