Shrikanth N C

website: *https://tiny.cc/shrikanth*   **e-mail** : nc.shrikanth@gmail.com

I believe, to achieve generality we must acknowledge specificity.

EDUCATION

2017 - Pursuing a **PhD in Computer Science** at North Carolina State University, GPA 3.5/4. (Expected graduation - May 2021)

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

SKILLS

- ❖ *Programming* : Java (SCJP and SCWCD certified) & Python. *Fundamentals*: Data Structures, Algorithms & Compilers
- ❖ *Statistics:* Hypotheses testing, effect size, analysis of distributions etc
- ❖ *Machine Learning:* Predictive/Estimate modelling, Weka data mining, scikit, Deep learning (Tensorflow,CNN & RNN) Carrot2, ELK and OPEN NLP. *Visualization:* Plotly, MATLAB, R etc.
- ❖ *Front-End*: Java Swing, Eclipse Plugin development and HTML-CSS. *Database:* RDBMS (MySQL & MariaDB).

ONGOING RESEARCH (*Research Assistant*, North Carolina State University)

Area: Software Defect Prediction | **Lab :** RAISE(http://ai4se.net/) **Advisor :** Dr.Tim Menzies (http://menzies.us/) Recently we performed a large scale empirical analysis on 300,000+ file-level change histories mined from GitHub Open-Source projects to evaluate various software defect prediction metrics.

PUBLICATIONS

- 🏆(Best Paper candidate, awaiting results) *Assessing Practitioner Beliefs* (**ICSE**-SEIP'2020) (*Accepted)* [Shrikanth N C & Tim Menzies] *(≈ 20% acceptance rate)*
- *Trustworthiness in enterprise crowdsourcing: a taxonomy & evidence from data*. (**ICSE**-SEIP '2016).
- *CrowdBuild: a methodology for enterprise software development using crowdsourcing*. (CSI-SE **ICSE** '2015).

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.

INDUSTRY EMPLOYMENT HISTORY (2008 - 2017)

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**
Role: Senior Systems Engineer

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

Open Source Contribution : http://tiny.cc/okeclipse (Speech-Enabled IDE)