

# SANTHOSH

## VAIYAPURI

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## TECHNICAL SKILLS

- Experienced: Android, Java SE and C.
- Basic: SQLite, Python, HTML and CSS.
- Others: Unix tools and Git.

## ACHIEVEMENTS

### SCHOLARSHIP

Recipient of university scholarship during undergraduate education for academic excellence.

### AWARD

Employee excellence internal award at Cognizant Technology Solutions, 2012.

## SUMMARY

- 2 Years of Java SE development experience.
- 1 Year of Android development experience.
- Strong competencies in algorithms and data structures.

## WORK EXPERIENCE

### Software Engineer – ICT.eu: Eindhoven

Sep 2014 - Current

- Develop calibration, performance measure and diagnostics software for metrology module of ASML TWINSCAN XT:860 machine. Skills: Java, C

### Intern – ASML: Eindhoven

Nov 2013 – Aug 2014

- Developed an eclipse plugin using Java that can analyze the timing variability in a multi-core embedded subsystem for servo control.
- Developed a CLI tool in Python to understand data resulting from simulation, run statistical tests and show the timing of each application through a Gantt chart

### Intern – PHILIPS: Eindhoven

Jun 2013 - Aug 2013

- Worked with two MRI imaging scientists to determine imaging requirements.
- Proposed usage of three open source imaging libraries in Java with UML models of software tools for MRI imaging software development in the future.

### Android Developer – COGNIZANT: Chennai

Aug 2011 - Apr 2012

- Developed an *Android* app to be used internally for publishing employee ratings.

## EDUCATION

### Udacity - Android Developer Nanodegree

An online certification program co-created by Google.

### Eindhoven University of Technology – Netherlands

Aug 2014

Master of Science, Embedded Systems – software specialization

GPA: 7.3/10

### Anna University – India

May 2011

Bachelor of Engineering, Electronics and communication

GPA: 83/100

## PROJECTS

### Sunshine Watchface

[github.com/santhoshvai/sunshineWatchFace](https://github.com/santhoshvai/sunshineWatchFace)

Developed a watchface for android wear devices that shows current weather.

### xyzreader - Android app

[github.com/santhoshvai/xyzreader](https://github.com/santhoshvai/xyzreader)

Transformed a functional RSS reader app to conform to material design.

### Android Build-it-bigger project

[github.com/santhoshvai/Build-It-Bigger](https://github.com/santhoshvai/Build-It-Bigger)

App that displays jokes from Google cloud endpoint, with free and paid flavors.

### Android Super-Duo project

[github.com/santhoshvai/super-duo](https://github.com/santhoshvai/super-duo)

Production readied two apps by adding localization, widget and accessibility.

### Spotify-Streamer app

[github.com/santhoshvai/Spotify-Streamer-P2-Android-ND](https://github.com/santhoshvai/Spotify-Streamer-P2-Android-ND)

Android app for searching top music artists listed on Spotify and playing their songs.

### CTCI

[github.com/gaylemcd/ctci/tree/master/Go](https://github.com/gaylemcd/ctci/tree/master/Go)

One of the top contributors to a popular repo in Github with around 2000 stars and forks. I push solutions of some popular algorithmic questions in Golang.