

# Lakshmanaram

[lakshmanaram.n@gmail.com](mailto:lakshmanaram.n@gmail.com) • Ph.: (+91) 90 43 804100

Algorithmic programmer • Android Application developer • Open Source Contributor

## EDUCATION

### NIT, TRICHY (NITT)

B.TECH IN COMPUTER SCIENCE AND  
ENGINEERING

Expected May 2018 | Trichy, India  
Cum. GPA: 8.89 / 10.0

### MAHARISHI VIDYA MANDIR

Grad. 2013 | Chennai, India  
Graduating Percentage: 94.2%

## LINKS

Github:// [LAKSHMANARAM](#)

LinkedIn:// [LAKSHMANARAM](#)

Hackerrank:// [LAKSHMANARAM](#)

Codeforces:// [HENRY\\_COLEBROOKE](#)

Codechef:// [SUICUNE](#)

## COURSEWORK

### UNDERGRADUATE

Algorithms & Data Structures

Cryptography

Multimedia systems

Database Management Systems

Operating Systems

Computer Architecture

Computer Networks

Parallel Algorithms

Compilers\*

Big Data Analytics\*

Artificial Intelligence\*

### INDEPENDENT

Machine Learning by Andrew N G\*

Design and Analysis of Algorithms

Part 1 & 2 by Stanford University

## SKILLS

### ALGORITHMIC CODING

### ANDROID DEVELOPMENT

### ROBOTICS

### PROGRAMMING LANGUAGES

Over 10000 lines:

C++ • C • Python • Java

Over 5000 lines:

Shell • Octave

### FAMILIAR

SQL • Git • CypherQL • UNIX •

Neo4j • Docker • Spring

## EXPERIENCE

### CODE NATION | SDE INTERN

May 2016 - July 2016 | Bangalore

- Worked on enhancing & productionizing a language agnostic static code analyzer tool that detects code metrics & design patterns on the source code
- Code analyzer tool also constructs a graphical visualization of the code base

### SKSCRIPT | SOFTWARE DEVELOPER INTERN

December 2016 | Chennai | Project - [CVscan](#)

- Developed a resume parser CVscan which extracts key features from uploaded resume using Regex matching and Natural Language Processing.
- Developed basic Machine learning neural network models for teaching tutorials.

### DELTA FORCE | SOFTWARE DEVELOPER • APPLICATION DEVELOPER

Aug 2015 - PRESENT | National Institute of Technology, Tiruchirappalli

Active member of Delta Force, the premier coding club of NIT, Trichy.

- Developed mobile applications (Android) for university related activities, student Community and technological festivals
- Problem Setter for Algorithmic contests hosted by Delta Force & Pragyan, NITT

## OPEN SOURCE

### INCOR PYTHON APP | [GITHUB](#) | [INCOR.READTHEDOCS.IO](#)

Authored a Python package INSTANT CODE RUNNER | 550+ downloads

- Executable files are run as and when they are modified
- Uses Watchdog APIs to track changes made in the input path
- Automatically populates the newly created files with template codes

### STEGANOGRAPHY MULTIMEDIA SYSTEMS PROJECT | [GITHUB](#)

An Adaptive Least Significant Bit Steganography Technique

- Uses Chaos logistic mapping & Genetic algorithm to reduce Stego distortion

### PRAGYAN'16 ANDROID APP | [GITHUB](#) | [GOOGLE PLAY STORE](#)

Developed an android application for Pragyan, India's second largest

Techno-management fest | 4500+ downloads & 4.8/5 rating

- Successfully aided the Participants & organizers during Pragyan by providing essential information from locally populated databases & periodic API calls

### SUDOCABULARY BASH SCRIPT | [GITHUB](#) | [OMG!UBUNTU! REVIEW](#)

Core contributor in developing a terminal add-on for Linux and Mac that displays the vocabulary for a new word during every new terminal session

- Featured as one of the Weekly Trending Shell Projects on Github | 60+ stars

## ACHIEVEMENTS AND AWARDS

2017 Ranked 8

2017 2/495 teams

2017 Indian Rank 20

2016 Ranked 94 / 2925 teams

2016 World Rank 3/660

2016 Expert Title

2016 174/13000+ teams

2015 Most Impactful Award

TopCoder open Inndia Regionals'17

Shaastra Online Programming Contest

Topcoder rating 1648

ACM ICPC Amritapuri Regionals

The Great SQLizer October, Hackerearth

Codeforces

Codechef Snackdown (India Rank 37)

Ingenius Hackathon, Bangalore