

Lakshmanaram N

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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: 8.82 / 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

Multimedia systems

Database Management Systems

Operating Systems

Computer Organisation &

Architecture

Computer Networks

INDEPENDENT

Machine Learning by Andrew N G
Design and Analysis of Algorithms
Part 1 & 2 by Stanford University

SKILLS

ALGORITHMIC CODING

ANDROID DEVELOPMENT

in Android Studio

ROBOTICS

PROGRAMMING LANGUAGES

Over 5000 lines:

C++ • C • Python • Java • Octave

Over 1000 lines:

Shell

FAMILIAR

SQL • Git • Apache Spark • UNIX
Environment (3 years exp.)

HOBBIES

Competitive Programming
Solving Puzzles (Sudoku, Kakuro)
Graphic Designing

EXPERIENCE

INSTITUTE OF MATHEMATICAL SCIENCES | EXCHANGE STUDENT

May 2016 - June 2016 | Chennai

- Attended Lectures and Tutorials on advanced Algorithms, Graph Theory & Logic.
- Presented a talk named "Exact Exponentiation & parameterized algorithms for Odd Cycle Transversal" to an audience of professors & research scholars

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 and technological festivals
- Set Problems for Algorithmic contests hosted by Delta Force & Pragyan, NITT
- Tutored at the Algorithms Special Interest Group, NITT

OPEN SOURCE

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

Authored a Python package INstant COde Runner | 550+ downloads

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

STEGANOGRAPHY MULTIMEDIA SYSTEMS PROJECT | [GITHUB](#)

Developed an Octave Implementation of [Eurasip Research Article](#) which

- Proposes 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 local databases & periodic API calls
- Uses GCM to send push notifications to participants regarding sudden changes
- Has QR integrations for easy registration processes

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

2016 Ranked 94 / 2925 teams

2016 India Rank 39

2016 World Rank 3/660

2016 5 Gold, 16 Silver, 6 Bronze

2016 Expert Title

2016 174/13000+ teams

2016 2/70+ teams

2016 2/40+ teams

2015 1/30+ teams

2015 Most Impactful Award

Qualified to ACM ICPC Amritapuri Regionals
Hackerrank (World Rank 481)

The Great SQLizer October, Hackerearth
Medals in various contests in Hackerrank
Codeforces

Codechef Snackdown (India Rank 37)

Shaastra Circuit Design Challenge

Reverse Coding, Shaastra

Reverse Coding, Sampark

Ingenius Hackathon, Bangalore