

# Arun Sai Krishnan

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## EDUCATION

### NIT, TIRUCHIRAPPALLI

BACHELOR OF TECHNOLOGY,  
COMPUTER SCIENCE & ENGINEERING

Expected May 2016  
Tiruchirappalli, India  
CGPA: 9.26 / 10.0

## TEST SCORES

GRE: 331/340  
TOEFL (iBT): 117/120

## COURSEWORK

### UNDERGRADUATE

Computer Networks  
Operating Systems  
Distributed Computing  
Software Engineering  
Database Management Systems  
Web Technology  
Introduction to Algorithms  
Data Structures  
Artificial Intelligence & Expert Systems  
Information Security  
Computer Graphics  
Principles of Compiler Design  
Digital System Design  
Systems Programming  
Microprocessor Systems  
Computer Organisation & Architecture  
Automata & Formal Languages  
Principles of Programming Languages  
Combinatorics & Graph Theory  
Discrete Mathematics

## SKILLS

### PROGRAMMING

Java • Python • Javascript  
C++ • C • Shell • Assembly

### MOBILE PLATFORMS

Android

### WEB FRAMEWORKS

Django • Flask

### DATABASES

MySQL • SQLite • MongoDB (NoSQL)

## APPS ON GOOGLE PLAY

SAFeDJ • Attendance Recorder • Teritree  
Pragyan'15 • Pragyan'14 • Festember'13

## EXPERIENCE

### WINMOS LAB, UNIVERSITY OF BRITISH COLUMBIA

RESEARCH ASSISTANT & MITACS GLOBALINK RESEARCH FELLOW

May 2015 – Aug 2015 | Vancouver, Canada

Worked in the domain of context-aware mobile crowdsensing in mobile social networks under the guidance of **Prof. Victor Leung**. Focused on improving efficiency and accuracy of music mood-mapping in mobile-cloud based systems for music recommendation. Two research papers accepted for publication in IEEE CloudCom and ACM MSWiM-DIVANet Symp. Application - SAFeDJ published on Google Play.

### INDIAN INSTITUTE OF TECHNOLOGY, ROPAR | RESEARCH INTERN

May 2014 – July 2014 | Ropar, India

Conceptualized and implemented intuitive gesture based detection and clustering of smart objects using Doppler effect under the guidance of **Dr. Junghyun Jun**.

### TERITREE TECHNOLOGIES | SOFTWARE DEVELOPMENT INTERN

Dec 2013 – Jan 2014 | Bangalore, India

Conceptualized, designed and developed a data agnostic dashboard visualization framework for flexible data visualization and rapid creation of e-commerce analytics dashboards. Published in ACM SIGSOFT Software Engineering Notes.

### TERITREE TECHNOLOGIES | APPLICATION DEVELOPMENT INTERN

May 2013 – July 2013 | Bangalore, India

Designed and developed an Android application for social-shopping which provides a collaborative, community-curated approach to e-shopping. Published on Google Play.

### DELTA FORCE | TREASURER & APPLICATION DEVELOPER

Aug 2013 – Present | Tiruchirappalli, India

Treasurer of Delta Force - the premier computing club of NIT, Tiruchirappalli. Developed mobile applications for university related activities and technological festivals. Founded special interest groups for mobile-cloud computing and Python.

## PUBLICATIONS

- Arun Sai Krishnan, X. Hu, J. Deng, R. Wang, C. Zhu, M. Liang, V.C.M Leung and Yu-kwong Kwok. A Novel Cloud-Based Crowd Sensing Approach to Context-Aware Music Mood-Mapping for Drivers. (forthcoming) **IEEE CloudCom** 2015.
- Arun Sai Krishnan, Xiping Hu, Jun-qi Deng, Li Zhou, Edith C.H Ngai, X. Li, V.C.M Leung and Y. Kwok. Towards In Time Music Mood-Mapping for Drivers: A Novel Approach. (forthcoming) **ACM MSWiM-DIVANet Symp** 2015.
- Arun Sai K and Sriram Venkatapathy. A Data Agnostic Dashboard Visualization Framework With Customizable Layout For e-Commerce Data Analytics. **ACM-SIGSOFT Software Engineering Notes**, Vol. 39, No. 4, July 2014.

## AWARDS & ACCOMPLISHMENTS

- Awarded the prestigious Mitacs Globalink Research Fellowship (2015).
- Awarded merit scholarship by Govt. of India based on performance in AIEEE.
- Awarded the esteemed KVPY fellowship administered by IISc, India (2012).
- Sub-reviewer at IEEE HPCC 2015.
- IEEE and ACM member.
- Treasurer at Delta Force - the premier computing club of NIT Tiruchirappalli.
- Marketing Manager at Festember - cultural fest, NIT Tiruchirappalli (2013-14).
- 99.97 percentile - All India Secondary School Examination (2010) - Grade X.
- 92.33% - Board Exam, Dept. of PU Education, Karnataka - Grade XII (2012).