Arun Sai Krishnan

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EDUCATION

NIT, TIRUCHIRAPPALLI
B.Tech in Computer Science and Engineering
Expected May 2016
Tiruchirappalli, India
Cum. GPA: 9.26 / 10.0

TEST SCORES

GRE : 331/340
TOEFL (iBT) : xxx/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
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 • Teritree • Attendance Recorder
Pragyan'15 • Pragyan'14 • Festember'13

RESEARCH

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** .

EXPERIENCE

TERITREE TECHNOLOGIES | Software Development Intern
Dec 2013 – Jan 2014 | Bangalore, India
Developed a data agnostic dashboard visualization framework for e-commerce data analytics. Enables flexible data visualization, customizable layouts and quick creation of analytics dashboards. Published in ACM SIGSOFT Software Engineering Notes.

TERITREE TECHNOLOGIES | Application Development Intern
May 2013 – July 2013 | Bangalore, India
Developed an Android application for social-shopping which provides a collaborative and community-curated approach to online 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. In Proc. **IEEE CloudCom** 2015.
- Arun Sai Krishnan, Xiping Hu, Jun-qi Deng, Li Zhou, Edith C.H Ngai, Xitong Li, Victor C.M Leung and Yu-kwong Kwok. Towards In Time Music Mood-Mapping for Drivers: A Novel Approach. In Proc. **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 & POSITIONS OF RESPONSIBILITY

- Awarded the prestigious Mitacs Globalink Research Fellowship (2015).
- Sub-reviewer at IEEE HPCC 2015.
- IEEE and ACM member.
- Awarded merit scholarship by Govt. of India based on performance in AIEEE.
- Awarded the prestigious KVPY fellowship administered by IISc, India (2012).
- Treasurer at Delta Force - the premier computing club of NIT Tiruchirappalli.
- Marketing Manager at Festember - cultural fest, NIT Tiruchirappalli (2013-14).