

# Sujay Vetrivelan

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## PERSONAL

NATIONALITY: AMERICAN  
CALIFORNIA RESIDENT

## EDUCATION

### CARNEGIE MELLON UNIVERSITY

MASTER OF INFORMATION  
SYSTEMS MANAGEMENT  
Expected Dec 2017

### NIT, TRICHY

B.TECH IN COMPUTER  
SCIENCE AND ENGINEERING  
Expected May 2016  
Cum. GPA: 8.02 / 10.0  
Junior Year GPA: 8.86 / 10.0

## COURSEWORK

### UNDERGRADUATE

Operating Systems  
Computer Networks  
Distributed Computing  
Database Management Systems  
Software Engineering  
Systems Programming  
Principles of Compiler Design  
Automata and Formal Languages  
Computer Organization and Architecture  
Microprocessor Systems  
Information Security  
Data Structures  
Introduction to Algorithms  
Discrete Mathematics  
Introduction to Probability Theory

## PROGRAMMING

### PROGRAMMING LANGUAGES:

C • C++ • Java • Python  
R • JavaScript • Assembly

### MOBILE PLATFORMS:

Android

### DATABASE MANAGEMENT:

SQL • SQLite

## APPLICATIONS

### GOOGLE PLAY

Attendance Recorder • E-Cell, NIT Trichy  
Pragyan '15 • Pragyan '14  
Festember '13

## RESEARCH

### RESEARCH INTERN, NIT TRICHY | UNDER Prof. S Jaya Nirmala

Dept. of CSE - NIT, Trichy

Worked in the areas of cloud computing and heuristic search optimization.

Developed a modified Particle Swarm Optimization algorithm with genetic operators to schedule tasks on the cloud with minimized total execution cost.

## EXPERIENCE

### FIDELITY INVESTMENTS | SOFTWARE ENGINEERING INTERN

May 2015 – July 2015

- Worked in the Data Organization business unit
- Involved in data visualization and analysis projects

### AZUYO SOFTWARE R&D | APPLICATION DEVELOPMENT INTERN

December 2013 – February 2014

- Successfully developed the WHAM (What's Happening Around Me) Android application as per schedule
- Application alerts potential customers of retail discounts in nearby areas using the GPS location of the user's mobile device

### DELTA FORCE | CONTENT HEAD & MOBILE APPLICATION DEVELOPER

August 2013 - Present

- Content Head at the elite software development club of NIT Trichy
- Developed several applications for college related activities
- Founded Special Interest Group for Mobile Cloud Computing

## SELECTED PROJECTS

### MOBILE APPLICATIONS FOR INTERNATIONAL COLLEGE FESTIVALS | [play.google.com/festember](http://play.google.com/festember) /pragyan

Pragyan (Tech Fest) and Festember (Cultural Fest)

Developed the official mobile applications along with a team of student developers. Applications have 3000+ downloads on the Google Play Store.

### ATTENDANCE MANAGER | [github.com/SVetri/Attendance\\_Manager](https://github.com/SVetri/Attendance_Manager)

Designed and developed an Android application that tracks the user's attendance in a representative based system. Built to accommodate impromptu changes in schedule and courses that often occur in college.

## AWARDS

2015 Recipient of the National SPDC Merit Scholarship from EdCIL

## LEADERSHIP

2015	Manager	Entrepreneurship Cell, NIT Trichy
2015	Manager	Web Operations, Festember (Int'l Cultural Festival)
2015	Manager	Web Operations, Pragyan (Int'l Tech Festival)
2014	Deputy Manager	Festember Publicity Team
2012	House Captain	National Public School