

# Sujay Vetrivelan

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## PERSONAL

NATIONALITY: AMERICAN  
CALIFORNIA RESIDENT

## EDUCATION

### NIT, TRICHY

B.TECH IN COMPUTER

SCIENCE AND ENGINEERING

Expected May 2016 | Trichy, India

Cum. GPA: 7.88 / 10.0

Major GPA: 8.20 / 10.0

## COURSEWORK

### UNDERGRADUATE

Operating Systems

Computer Networks

Database Management Systems

Principles of Compiler Design

Computer Organization and Architecture

Artificial Intelligence

Information Security

Computer Graphics

Data Structures

Introduction to Algorithms

## SKILLS

### PROGRAMMING

Over 5000 lines:

Android • C++

Over 1000 lines:

Java

Familiar:

Python • Javascript • CSS • MySQL

## RESEARCH

### TASK SCHEDULING ON THE CLOUD USING PSO WITH GENETIC OPERATORS

Dept. of CSE - NIT, Trichy

Worked with Prof S Jaya Nirmala to efficiently schedule tasks on the cloud using a modified Particle Swarm Optimization algorithm with genetic operators. Used the WorkflowSim software to simulate and check for correctness of the scheduling algorithm for upto thousands of tasks and resources.

## EXPERIENCE

### FIDELITY INVESTMENTS | SOFTWARE ENGINEERING INTERN

May 2015 – July 2015 | Bangalore, IN

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

### AZUYO SOFTWARE R&D | SOFTWARE ENGINEERING INTERN

December 2013 – February 2014 | Bangalore, IN

- 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

## PROJECTS

### MOBILE APPLICATIONS FOR INTERNATIONAL COLLEGE

#### FESTIVALS | [play.google.com/festember](https://play.google.com/store/apps/details?id=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. Accommodates impromptu changes in schedule and courses that often happens at college.

## AWARDS

2015 Recipient of the National SPDC Merit Scholarship from EdCIL, India

2012 High school Valedictorian for the class of 2012

## LEADERSHIP

2015	Core Member	Delta Force (Elite Software Dev Club of NIT)
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