

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
Distributed Computing
Computer Graphics
Database Management Systems
Software Engineering
Systems Programming
Principles of Compiler Design
Automata and Formal Languages
Computer Organization and Architecture
Microprocessor Systems
Digital System Design
Artificial Intelligence and Expert Systems
Information Security
Web Technology
Data Structures
Introduction to Algorithms
Design and Analysis of Parallel Algorithms
Discrete Mathematics
Combinatorics and Graph Theory
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 | Bangalore, India

- 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 | Bangalore, India

- 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 | Trichy, India

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

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

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, India
2012 High school Valedictorian for the class of 2012

LEADERSHIP

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|------|----------------|---|
| 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 |