Sujay Vetrivelan

svetri.github.io
sujay.vetri@gmail.com | +91 9566736547

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

NATIONAL PUBLIC SCHOOL
Grad. May 2012| Bangalore, India

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 ALGORITHMS
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 /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. Accommodates impromptu changes in schedule and courses that often happens at college.

AWARDS

2015	Recipient of the SPDC merit scholarship from EdCIL, India
2012	Selected as 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