

Sidharth Vinod

SOFTWARE ENGINEER · SECURITY EXPERT

Nandanam, BN-16, Bharath Nagar, Kodungallur, Thrissur, Kerala. 680664

☎ (+91) 755-88-214-77 | ✉ sidharthv@gectcr.ac.in | 🏠 sidharth.net | 📱 [sidharthv96](https://www.instagram.com/sidharthv96) | 🌐 [sidharth vinod](https://www.linkedin.com/in/sidharthvinod)

"A good programmer is someone who always looks both ways before crossing a one-way street"

Technical Skills

Languages	Python, C++, Javascript, Java, C
Backend Frameworks	Django, Node.Js, Sails.Js, Flask - Apache and NGINX for Production
Frontend Frameworks	React, Bootstrap, Material UI
Dev Tools	Firebase, Celery, Selenium, Social Auth, Cookiecutter, virtualenv, Pillow, Jinja, Babel, Webpack
Databases	PostgreSQL, MySQL, MongoDB, Sqlite3, Redis
Tools	PyCharm, Android Studio, LATEX, Atom, VS Code, Filezilla, PostMan, iTerm, Virtualbox
Online Tools	AWS, Heroku, Docker, Git, DigitalOcean, pip, brew, yum
OS Platforms	macOS, CentOS, Fedora, Redhat, Ubuntu, Mint, Windows

Experience

GEC Ascent

GEC Thrissur

ADMISSION AND STUDENT MANAGEMENT PORTAL

Aug. 2016

- Developed a robust portal for student data entry and form generation using Django and Bootstrap-Material
- Implemented the system to reduce admission paperwork time by 60%

Spot allotment for Kerala State Government Colleges

GEC Thrissur

ALLOT OVER 1000 STUDENTS TO VACANCIES IN 9 GOVERNMENT COLLEGES IN KERALA

September 2016

- Developed the software to collect student options and allot them to colleges based on a multi-criteria algorithm.
- Fully automated and fast tracked the otherwise manual, slow, tedious and unjust procedure
- Successfully managed and executed the data entry and student allotment.

Hello KEPA

Kerala Police Academy, Thrissur

ANDROID APPLICATION FOR KERALA POLICE

April. 2017

- Provide a comprehensive list of contacts which will be required for the staff of Kerala Police Academy
- Send notifications using Google Firebase and real-time data update in case any contacts had changed
- Category filtering, name and number search.
- Later adopted by various district police forces.

Sinfora

GEC Thrissur

THE STUDENT INFORMATION MANAGEMENT SOLUTION

March. 2015 - PRESENT

- Teachers can use mobile app to mark attendance in class or use excel upload to mass update the data.
- Performance monitoring with SMS and E-Mail notification
- Parents can login to the software providing the admission number and date of birth of their child.

Application Developer

GEC Thrissur

DYUTHI, THE COLLEGE TECHNICAL FEST. , 2016

Jul. 2012 - Jun. 2013

- Government Engineering College Thrissur witnessed first ever paper free Techfest in it's history. Dyuthi Management System was a complete event management solution created using Python Django which had capability to handle online registration, offline registration, SMS notifications, event report status, event winner positions, accommodation list all under one hood.
- The same system was modified and used for events like Concetto 16, Concetto17, Innovance 17, etc.

Trakr - Realtime vehicle tracking system

Malappuram

DEVELOPED FOR MOTOR VEHICLE DEPARTMENT, MALAPPURAM DISTRICT

- Presently being used to track all the college buses.

RFID based student bus concession system

Vengara

DEVELOPED FOR VENGARA PANCHAYATH, MALAPPURAM DISTRICT

Started with freelancing for a Japanese Company in 11th Std, 2013.

Education

Government Engineering College, Thrissur

B.TECH. IN COMPUTER SCIENCE AND ENGINEERING

- Passed S4 without any backlogs and a SGPA of 7.5

Thrissur, Kerala

Aug. 2014 - PRESENT

Vijayagiri Public School, Annallur

HIGHER SECONDARY EDUCATION

- Passed computer science stream with a score of 94.3%

Thrissur, Kerala

May. 2012 - Mar. 2014

Bharathiya Vidya Bhavan, Kodungallur

SECONDARY SCHOOL EDUCATION

- Passed with a perfect CGPA of 10

Thrissur, Kerala

Mar. 2012

Positions of responsibility

2017	Coordinator & Chief Technical Officer , Innovation and Entrepreneurship Development Cell (IEDC)	GEC Thrissur
2017	Network admin , College blade servers	GEC Thrissur
2017	Organizer & Co-director , Kickstart 2.0, Entrepreneurial Workshop	GEC Thrissur
2016	Tech Lead , Insignia, Department Techfest	Dyuthi, GEC Thrissur
2016	Event Manager , Ultimate Geek, The geekiest event in Dyuthi	Dyuthi, GEC Thrissur
2016	Web Development & Registration Head , Dyuthi, College Techfest	Dyuthi, GEC Thrissur
2016	Coordinator & Planner , Industrial Visit and Class tour covering South India	Thrissur
2016	Mentor , Creovate, Entrepreneurial Workshop	GEC Thrissur

Workshops Conducted

Apr 2017	Open source tools and Web development with Django , Rolling Workshop for students	GEC Thrissur
Jan 2017	Dive into Linux , Department Workshop for CS Students	GEC Thrissur
Oct 2016	Web development, Hands on , IEEE workshop for freshers	GEC Thrissur
Nov 2015	Intro to Android development , IEEE workshop for students	GEC Thrissur

Extracurricular Activity

Prizes and Achievements

TECHFESTS, HACKATHONS, ETC

- 1st Prize in Debugging and Treasure Hunt in Qurentia-14 - State level ISTE Techfest.
- 1st Prize in PlayAlong (Bot Coding) and 2nd prize in Overnight Coding, In Dyuthi-14

Events attended

WORKSHOPS AND TECH MEETUPS

- Google Developers Group Meetup, Cochin 2016.
- 0secCon Cybersecurity Conference, Cochin 2016.
- Touch computing workshop - Tathva 14, NIT Calicut 2014.

In Press

PUBLISHED NEWS ARTICLES

- Hello KEPA, The new app for Kerala Police Academy. Mathrubhumi

Personal Details

Strengths	Positive Attitude, Consistency, Cooperative with co-members, Good team and event management skills
Fields of Interest	Implementation Techniques in Relational Databases, Algorithms, Data Structures, Implementing solutions for real time alternatives in offline systems.
Hobbies	Coding, Driving, Photography.