

Vasantha Ganesh Kannappan

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EDUCATION

AMRITA SCHOOL OF ENGINEERING

B.TECH IN COMPUTER SCIENCE
2014-2018 | Coimbatore, 641112
CGPA: 8.13 / 10.0

LINKS

GitHub:// [vasanthaganeshk](#)
GitLab:// [vasanthaganeshk](#)
Twitter:// [@vasanthaganeshk](#)
CodeForces:// [vasanthaganesh](#)

AREAS OF INTEREST

- Compilers / Language Design
- Functional Programming
- Data Structures
- Design and Analysis of Algorithms
- Operating Systems

SKILLS

LANGUAGES AND TECHNOLOGIES

Python3 • Python2 • Elisp • Bash
Scheme (Guile) • C • Haskell
Java • C++ • Markdown
Git • ReST • Make • Valgrind
Bison • Flex • BeautifulSoup
libseccomp (C and Python bindings)
Javassist • Sqlite
Selenium • Emacs • Docker
Jschema • tqdm • Travis-CI
GitLab-CI • AppVeyor-CI

INTERNSHIP

HASKELL SUMMER OF CODE - 2017, NEW YORK | ELISP | EMACS | TRAVIS-CI | APPVEYOR-CI | MAKE | TEXINFO
haskell-mode | Interactive editing features such as auto-completion, jump to function definition, display type signature of function at point etc. in Emacs for Haskellers | Contributor

SELECTED PROJECTS

ORANGE VIRTUAL MACHINE | JAVA, JAVASSIST, REFLECTION API
Implementaion of Java Virtual Machine (subset of JVM's byte-codes) as a Stack Machine | Author

PHOENIX | PYTHON2, LIBSECCOMP, PYTHON-PRCTL, JSONSCHEMA, TQDM, DOCKER

Design and implementation of game engine and game for BitJitsu (AI-Challenge at Amrita School of Engineering) | Co-Author

2X2X2 RUBIK'S CUBE SOLVER | PYTHON2

Solves 2X2X2 rubik's cube in minimum number of steps | Assignment from MIT-OCW 6.006

PYMRICHI | BISON, FLEX, C

Parser and lexer for a subset of Python2 | Author

SNOWDEN | PYTHON2

Unix grep equivalent | Author

FOSS CONTRIBUTIONS

KAWA | JAVA, SCHEME(KAWA), AUTOTOOLS, GITLAB-CI

sent a pull request for using the GitLab's CI, compiler flag to use strict types | Contributor

VALGRIND | C

CD-ROM related IOCTLS were unhandled, patch was accepted | Contributor

CONFERENCES

- FunctionalConf Bangalore | 2016
- PyCon Bangalore | 2015

MISCELLANEOUS

• **Competitive Programmer:** participated in contests from CodeForces, HackerEarth, CodeChef, Google Code Jam, Facebook hacker cup