Utkarsh **Maheshwari** (coditva)
Software Engineer • Systems Programmer • Open Source Aficionado

DIGITAL FOOTPRINT

BLOG
coditva.dev

EMAIL
coditva@gmail.com

PGP KEY
5A40E60FB40CDEBE

SOCIAL
github/**coditva**
twitter/**coditva**
linkedin/**coditva**

LANGUAGES

PROFICIENT
C • NodeJS • Shell

WORKING KNOWLEDGE
C++ • Java • Python • Go • Lua • Scala • Assembly • Web Tech • PHP • SQL • MongoDB • LaTeX

TOOLS

Vim • Linux • Git • Docker • Make/Cmake • TravisCI

OPEN SOURCE

Neovim • Elementary Tweaks • Gnome Todo • BaremetalOS

HOBBIES

Literature • Philosophy • Playing Bass Guitar • Cooking • Photography • Graphics Design

REFERENCES

SUBHASIS BHATTACHARYA
Director - Software Engineering
PBSWorks, Altair Engineering

EXPERIENCE

POSTMAN | SOFTWARE ENGINEER
Jun 2019 - present | Bangalore, India

PBSWORKS, ALTAIR ENGINEERING | SOFTWARE ENGG. INTERN
Jul 2018 - Dec 2018 | Bangalore, India
- Led and completed the project for adding support in Apache Spark to use PBSPro as a cluster workload manager.
- github.com/pbspro/spark-pbspro-connector

NEOVIM | GOOGLE SUMMER OF CODE STUDENT
May 2018 – Aug 2018 | Remote
- Improved external UI protocol to allow applications to provide "vim-mode".
- github.com/neovim/neovim/issues/8320

AIIMS BHOPAL | SOFTWARE ENGG. INTERN
Jun 2018 – Jul 2018 | Bhopal, India
- Wrote the backend for a webapp for medical reports and inventory management.
- github.com/bitsaiims2017/api

EDUCATION

BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE, PILANI
BACHELOR OF ENGINEERING, COMPUTER SCIENCE
2019 | Goa, India
Elective Courses: Network Programming, Internetworking Technologies, Software Engineering and Software for Embedded Systems.

PROJECTS

JAZZ | OS DEVELOPMENT
github.com/coditva/Jazz
Jazz is a hobby OS in its early stages written from scratch as a proof of concept to understand OS by doing.

UDT PROTOCOL IMPLEMENTATION | NETWORK PROGRAMMING
github.com/coditva/udt-c
An implementation of the UDP-based Data Transfer (UDT) protocol in C. UDT is a much faster data transfer protocol than TCP with a socket interface just like TCP.

SYNERGY | NETWORK PROGRAMMING
github.com/coditva/Synergy-linux
An application to sync Android and Linux notifications when connected to the same local network, written in C and allows extension through plugins.

WRITE. RUN. TWEAK. | 2D GAME DEVELOPMENT
github.com/coditva/WRT
A game submission for GitHubGameOff 2019 game jam written in Lua and LOVE2d.

A VIM STORY | LOW GRAPHICS GAME DEVELOPMENT
github.com/coditva/a-vim-story
A ncurses based 2D (bomberman-like) game to learn Vi/Vim, written purely in C language with LibNcurses, CMake, Doxygen.