

Utkarsh Maheshwari (coditva)

Software Engineer • Systems Programmer • Open Source Aficionado

DIGITAL FOOTPRINT

BLOG

coditva.dev

EMAIL

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PGP KEY

5A40E60FB40CDEBE

SOCIAL

[github/coditva](https://github.com/coditva)

[twitter/coditva](https://twitter.com/coditva)

[linkedin/coditva](https://linkedin.com/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

Aug 2015 - May 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.