

Utkarsh Maheshwari

Ardent open source supporter. Believer of readable, reusable and maintainable code. Principle plus Pragmatism.

I-261, Delta 2, Greater Noida, UP,
India - 201310
(+91) 8851387751
utkarshme96@gmail.com
utkarshme.github.io

EDUCATION

BITS Pilani, Goa Campus — Computer Science

Graduating in 2019

CGPA: 6.3 / 10

Ursuline Convent School, Greater Noida — CBSE

12th - 2015 : 91.8%

10th - 2013 : 9.6 / 10

EXPERIENCE

All India Institute of Medical Sciences, Bhopal — Intern

JUNE / JULY, 2016 | github.com/BitsAims2017

- Worked on the backend of the webapp for inventory and medical report management.
- My work on the app was to create a REST api which was integrated later into the front-end, with security being the topmost priority.

PROJECTS

Synergy

NOVEMBER 2017 - PRESENT | github.com/UtkarshMe/Synergy-linux

- An application to sync Android and Linux notifications with each other when connected to the same local network, written in C.
- The project features a standard CMake build system.
- The app is extensible through third party plugins as **Dynamic Shared Objects**. The app provides an API for the same.
- The app uses **POSIX Threads** to utilize full CPU potential.

A Vim Story

AUGUST 2017 - PRESENT | github.com/UtkarshMe/a-vim-story

- A **ncurses** based 2D (*bombman*-like) game, written purely in C language with **CMake**, **Doxygen**, **Libncurses**.
- Follows a simple event-loop programming model.

SKILLS

Languages:

C	★★★★★
NodeJS	★★★★★
Bash/Zsh/Shell	★★★★★
SQL	★★★★
MongoDB	★★★★
C++	★★★
Java	★★★
Assembly	★★★★★
LaTeX	★★★★
PHP	★★★
HTML/CSS/JS	★★★★

Workflow/Automation:

Unix/Linux	★★★★★
Make/CMake	★★★★★
Git/GitHub	★★★★★
Vi/Vim	★★★★★

Frameworks/APIs:

ExpressJS	★★★★★
Ncurses	★★★★★
Mocha/ChaiJS	★★★★
Bootstrap	★★★★★

Tools:

Docker	★★★★
GIMP/Inkscape	★★★★

LANGUAGES

English, Hindi, Spanish (can read)

Bitsnet Login

FEBRUARY 2017 | github.com/UtkarshMe/BitsnetLogin

- A full-featured, command line application for logging into the captive portal at BITS Goa, written in **bash** with native notification support via **libnotify**.

Resume LaTeX

OCTOBER 2017 | github.com/UtkarshMe/ResumeLaTeX

- A templating engine for generating resumes in **LaTeX** which can be converted to PDF, HTML etc.
- There are two built-in themes namely, simple and fancy, with more themes that can be extended.

PacAadmi

SEPTEMBER 2017 - PRESENT | github.com/UtkarshMe/PacAadmi

- A **ncurses** based clone of the famous Pac-man game written from scratch in **C** with a **Cmake** build system.

Tic Toc

DECEMBER 2016 | github.com/UtkarshMe/TicToc

- A quiz-like web based game written for the BITS Goa tech fest - Quark '17, written in **NodeJS**, **Express**, **MongoDB** and **PassportJS** with **Bootstrap** for frontend.

Wolf of Wallstreet

DECEMBER 2015 | github.com/UtkarshMe/WolfOfWallstreet

- A web based online stock simulation with real time buying/selling written for BITS Goa tech fest in 2016, written in **PHP**, **MySQL** and **HTML**, **CSS**, **JavaScript** for frontend.

List of other minor projects can be found here: utkarshme.github.io/projects.

POSITIONS OF RESPONSIBILITY

Founding member, Open Source Development Labs

JANUARY 2017 - PRESENT

- Was one of the first few members of the open source development team on the campus.

Lead graphic designer, Department of Creative Works

2015 - 2017

- Led the graphics designing team of 7 members. Mentored juniors and taught basics of graphic designing.

Graphic designer, Department of Publicity and Public Relations

2015 - 2016

- Was a member of the graphics designing team for all the three fests in BITS Goa.