

# Vipul Sharma

Entrepreneur, Engineer, Tech Geek  
and Philosopher

Aiming to improve the digital world, make the world more connected, secure and just. Love to spend time on my laptop learning new stuff, watching movies and developing stuffs that would change lives of millions if not billions.



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## WORK EXPERIENCE

### Lead Developer Smart Rail

07/2018 - Present Indian Railways  
Indian Railways passenger facilitation app and digitalization/automation of various railway services. ([www.orbitnext.com/sih](http://www.orbitnext.com/sih))

Technology stack

- PHP, MySQL, VPS Hosting, Android, Django REST

GitHub Repository: [https://github.com/thevipulsharma/smart\\_rail](https://github.com/thevipulsharma/smart_rail)

### Full Stack Developer Thapar Connect

05/2018 - Present Thapar Hackers Club  
The college social network to automate and digitalize everyday stuff in the college and connect students, faculty and staffs.

Technology stack

- Django/DjangoREST, PostgreSQL, Heroku Hosting

GitHub Repository: [https://github.com/thevipulsharma/thapar\\_connect](https://github.com/thevipulsharma/thapar_connect)

### Full Stack Developer Oplous

01/2018 - Present Thapar Institute of Engineering and Technology

College attendance automation project using Face Recognition under the mentorship of Prof. Dr. Vinay Arora.

Technology Stack

- Django, SQLite/MySQL, Heroku Hosting, C++ dlib library, Python face\_recognition API

GitHub Repository: <https://github.com/thevipulsharma/oplous> - (PHP version of the project)

## RELEVANT PROJECTS

### Elevator (C++ Application)

- C++ Application to simulate the real life working of elevators. (<https://github.com/thevipulsharma/elevator>)

### Chain Reaction Game (C++ console game)

- The console version of the famous chain reaction game. Developed as the data structures project in 4th semester of the college. ([https://github.com/thevipulsharma/chain\\_reaction](https://github.com/thevipulsharma/chain_reaction)).

### Sudoku Genius (C++ Program)

- A program to solve Sudoku to demonstrate the basic concepts of Data Structures in C++.

## SKILLS & COMPETENCIES

Thinking through first principles

Goal oriented

Resiliency

Future focused

Time management

Turning ideas into reality

Long term thinking

## ACHIEVEMENTS & CERTIFICATES

Ranked 6th at nationals in Smart India Hackathon - 2018. Won Rs. 10,000 cash prize.

Opportunity to work with the Indian Railways in developing a website to digitize the railway services and facilitate passengers.

Ranked - 1 in college in CodeChef LOC July - 2018.

## PROGRAMMING SKILLS

C++	●	●	●	●	●
Java	●	●	●	●	○
PHP	●	●	●	●	●
PLSQL	●	●	●	●	●
Python	●	●	●	○	○
Web Development	●	●	●	●	○
Django	●	●	●	●	○

## INTERESTS

Computers	Programming
Philosophy	Technology
Politics	Movies
Reading	Social Work
Music	Open Source Projects