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🎓 EDUCATION

07/2016 – present
Indore, India

Institute of Engineering and Technology, DAVV
B.E. Information Technology
CGPA - 8.3

📁 PROJECTS

07/2019 – 05/2020

Intelligent Traffic Lights Using Reinforcement Learning ✎

Major Project for my Undergrad

Distressed with the increasing traffic in my city, I decided to undertake a project that could have some value in the future. We Started off by conducting literature survey, soon to discover that there has been some solid work done in the field. We expanded our research to be more in line with the Indian Traffic conditions and the results we were able to achieve were significant. We achieved a 74% performance improvement over a standard traffic light.

Smart Knock Detecting Door Lock

It was a small and fun project that made use of Arduino Uno, Piezoelectric sensor and a servo motor. The Door lock was secured with a Knock Pattern. When user entered the the correct knock pattern, motor released the latch and door was unlocked.

Navigation Bar and Status bar customisation apps for Android ✎

These are theme-ing apps that work alongside the Substratum theme engine for Android to change and customize navigation and status bar of an android device. I made them possible using guides from the theme community, Android Studio, GIMP, Adobe Illustrator and JAVA.

The Apps are called “[Substratum] Navigate theme” and “[Substratum] Status theme”.

“Navigate” theme has crossed 300K downloads on Google Play Store.

📖 COURSES

Using Git for Distributed Development ✎

Coursera

Linux for Developers ✎

Coursera

Power of Macroeconomics ✎

Coursera

Opensource Software Development Methods ✎

Coursera

👜 PROFESSIONAL EXPERIENCE

Rackbank Datacenters Pvt. Ltd.

UI/UX Designer and Social Media content creator

06/2018 – 07/2018 | Indore, India

🧠 SKILLS

C

C++

Python

Git

Algorithms

Data Structures

Linux

Vim

🤝 ORGANISATIONS

Students without Borders

Volunteer

10/2016 – 10/2017 | Indore, India

Traffic Police Volunteer

Volunteer

Indore, India