

Harshit Khandelwal

MECHATRONICS ENGINEER, IOT · ANDROID DEVELOPER · OPEN SOURCE ENTHUSIAST

☎ (+91) 838-783-5209 | ✉ live.harshit@hotmail.com | 📺 liveHarshit | 📺 liveharshit

I am a pre-final year undergraduate student and currently working with path navigation with human robot interaction. I like contributing to open source projects and am working on some projects of my own.

Education

The LNM Institute of Information Technology

BACHELOR OF TECHNOLOGY

- CGPA: 7.3

Jaipur, Rajasthan

August 2016 - Present

SVV High School

SENIOR SECONDARY RBSE

- Percentage: 84.20

Bandikui, Rajasthan

July 2014 - April 2015

Skills

PROGRAMMING LANGUAGE

- Python for Raspberry pi and ROS
- Kotlin for android development
- Embedded C for micro controllers
- Java for competitive programming
- Familiar of data modeling languages: XML and JSON.

HARDWARES

- Raspberry Pi
- My Rio
- Arduino and sensors

TOOLS

- Raspbian OS: for RPi
- Robot operating software(ROS)
- NI LabView: to interface with myRIO
- Firebase: For backend API development.
- Android Studio: for developing native apps with Kotlin and Java.
- SQLite: Familiar with offline database and content providers.
- Git: Version control integration
- Github: Open source and collaborate projects with developers.
- Fusion 360 and Solidworks: For CAD designing purposes.

Projects

Camera base home security and automation system

RASPBERRY PI, OPENCV-PYTHON, GMAIL SMTP LIBRARY

This system is for identify people. First we train the model with family members. While any person is entering in the home, the camera detect the person and if he/she is a family member then it send signal for home automation and if unknown person detected then it send an email to owner of the house with the photograph.

Bluetooth electronics android app

ANDROID BLUETOOTH SERVICES, BLUETOOTH MODULE WITH A MICRO CONTROLLER

This app connects with your microcontroller or Bluetooth module and sends signal according to the application

<https://github.com/itskshitizsh/LNMIIT-Bus-Track-Android>

College Bus Trajectory App

FIREBASE(AUTHENTICATION, REMOTE CONFIG, FIRESTORE, STORAGE), FRAME AND FRAGMENT, GOOGLE MAPS, GOOGLE LOCATION API

Bus trajectory app is a location-based app, which tells us the real-time location of any bus. The app would prove to be extremely useful to students to locate their school/college buses.

<https://github.com/itskshitizsh/LNMIIT-Bus-Track-Android>

Work Experience

Plinth'18, Techno-management literary fest The LNMIIT

Robotics events

ORGANIZER AND COORDINATOR

January 2017

- Mentoring in several robotics events.
- Helped in organization the fest

ASME E-Fests 2018 Asia Pacific

American Society of Mechanical Engineers

STUDENT VOLUNTEER

March 2017

- Mentoring for SDC robots and HPVC competitions.
- Helped in organize the E-Fest.

Google Code-in

Fossasia

MENTOR

October 2018 - Present

- Mentor high school students trying to learn and contribute to open source projects with Fossasia
- Review their set tasks within a specified time limit.

CODEHEAT competition

Fossasia

PARTICIPANT

September 2018 - Present

- Continuously contribute to fossasia Android projects.
- Submit weekly SCRUM report with my work.
- Post a blog about implemented features every month.