

# Abhijeet Sharma

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## EDUCATION

### IIT MANDI

B.TECH IN COMPUTER SCIENCE  
ENGINEERING

Exp. June 2019 | Mandi, India  
CGPA: 7.88 / 10.0

### St. XAVIERS PUBLIC SCHOOL

12TH STANDARD  
Grad. May 2014 | Korba, India  
Percentage: 94.6%

10TH STANDARD  
Grad. May 2012 | Korba, India  
C.G.P.A: 10/10

## LINKS

Github:// [abhijeet2096](#)  
Launchpad:// [abhijeet2096](#)  
LinkedIn:// [abhijeet2096](#)  
Quora:// [Abhijeet-Sharma-28](#)

## COURSEWORK

### UNDERGRADUATE

#### PURSUING

- Major Tech Project Landslide  
Prediction

- Data Mining

#### COMPLETED

- Deep Learning and Applications  
- Software Design Pattern  
- Paradigms of Programming  
- Data Structure and Algorithms  
- Artificial Intelligence  
- Database  
- Pattern Recognition

## SKILLS

Over 5000 lines:

C++ • C

Over 1000 lines:

PHP

Over 500 lines:

Python • MySQL • HTML • CSS

Over 100 lines:

Javascript • Java • Qt

Familiar:

AWS IoT • AWS GreenGrass

AWS Lambda • Shell • Raspberry Pi

Docker • Arduino • GnuPlot • CMake

Linux • Git

## AWARDS

2016 2nd AAVISHKAR '16 IIT  
Mandi.

## WORK EXPERIENCE

### GSoc'18 | Google Summer Of Code 2018 with KDE

April 2018 - Aug 2018

- Integrated FWUPD with KDE's Software Centre (Discover)
- FWUPD is open source Firmware update tool.
- Backend - FWUPD, QT, C++
- Frontend- QML

### WINTER INTERNSHIP | SIEMENS TECHNOLOGY & SERVICES PVT. LTD.

Dec 2017 - Feb 2018

- Designed and built a complete architecture to Monitor, Analyze & Forecast air pollution.
- Models Tried : ARIMA, LSTM
- Frontend - Grafana
- Backend - Docker, AWS IoT, AWS GreenGrass, Influxdb, Prophet, Kapacitor, Google Maps api

## ACADEMIC PROJECTS

### DRONE | OBJECT DETECTION AND TRACKING THROUGH DRONE

Feb 2017 – June 2017

- Designed a prototype of a drone to detect a particular object and track it.
- Used modified STRUCK algorithm for object detection and MAVPROXY for drone navigation and control.

### PIXLR | A PLATFORM FOR UPLOADING PHOTOGRAPHS

Nov 2016 – Dec 2016

- A dynamic website dedicated to the artist and photographers to showcase their talent.
- Frontend - Bootstrap
- Backend - MySQL, Javascript, PHP

### DNA Tiles | BIOTECHNOLOGY-BASED ANDROID GAME

Oct 2016 - Nov 2016

- Built an android game like Piano Tiles
- Game helps in learning different GNOME sequences and rules regarding it.

### APS | AUTOMATIC PARKING SYSTEM

Feb 2016 – May 2016

- Designed and built an automatic parking system, which automatically parked the car to the nearest available slot
- Increased efficiency by constantly monitoring the parking requirement based on available slots and location.

### HOME AUTOMATION | AUTOMATED ELECTRICAL EQUIPMENTS

Dec 2015 - Jan 2016

- Built a home automation system that controls various electrical equipments and is controlled via android application.
- System also automatically syncs between various devices.

## SOCIAL WORK

Feb 2016

- Part of a Campaign Right To Education in nearby village area.

## POSITIONS OF RESPONSIBILITY

October 2018 – Present

- Google Code-In Mentor with KDE

June 2017 – Present

- Student Volunteer at Career & Placement Cell, IIT Mandi

Aug 2016 – June 2017

- Club Coordinator Of Art Geeks (Art Club), IIT Mandi.