



# AJAY SINGH

An Avid Learner

ajaysingh\_16386@aitpune.edu.in ✉

+91-9607669040 📞

15 March, 1997 📅

github.com/AJAYLODIPURA 🌐

Ambitious , Self-Believer and Honest to myself. Loves playing with the data and take measures to secure it. Implementing competent and innovative solutions with utmost focus on attack vectors and their mitigation.

## EDUCATION

### BACHELOR OF ENGINEERING

Army Institute Of Technology ,Pune

06/2016 – 06/2020

8.90 SGPA

Department-  
- INFORMATION TECHNOLOGY

### SENIOR SECONDARY SCHOOL EDUCATION

D.P.S Jhunjhunu (Rajasthan)

04/2014 – 05/2015

85.60%

### SECONDARY SCHOOL EDUCATION

N.A. Sultana (Rajasthan)

05/2012 – 05/2013

10 CGPA

## CERTIFICATES

### Full Stack Web and Multiplatform Mobile App Development Specialization

The Hong Kong University of Science and Technology (Coursera)

01/2020 – Present

### Julia Programming (93% Grade)

University of Cape Town(Coursera)

Cre Id- WRSQZJ8RDCAU

### Software Security (95% Grade)

University of Maryland(Coursera)

Cre Id- EM4AUZ3BQDP3

### Data Science(Python Specialization) (94%)

University of Michigan(Coursera)

Cre Id- BRKCRJ6FYZG4

### Security in Google Cloud Platform

Google Cloud (Coursera)

### Programming in C++

NPTEL

### Programming in C

Spoken Tutorial Project, IIT Bombay

## SKILLS

C

C++

Julia

Python

GCP

Software Security

Data Structures

DBMS

Cyber-Security

Data Science

Web-Development

## PERSONAL PROJECTS

### Mitigating Black Hole Attacks in WSN using Node-Resident Expert System

- ADIOS based Expert system designed in tcl using NS2 for detecting intrusions and Black Hole Attacks in Sensor Networks.

### Corruption Free Nation

- The project was aimed to reduce the Corruption taking place at grass-root level of Municipalities and Societies.
- Included common people in decision making. Used recent technologies like Bootstrap, Wit.ai , API.ai, Mysql, Julia and Machine Learning for Chat-bot and User-Centeric front-end and back-end design.

### Leave and Payroll Management System for AIT

- Project to ease the life of AIT Employees, who can apply for leaves and have access to the payroll and HODs/Principal will approve/reject the leaves on the basis of reason quoted by seeker.

### Transfer Learning From Deep Features on Remote Sensing Data For Poverty Mapping

- A Machine Learning solution using Transfer Learning for Poverty Mapping using pre-trained VGGNet on Imagenet dataset.

## INTERNSHIPS/SCHOLARSHIPS

Data Science Intern for Analytics Vidhya on "Web scraping using NLP to extract answers on Mutual Funds and identify top trending Funds to invest in" for the users. (02/2019 – 03/2019)

at Analytics Vidhya (<https://www.analyticsvidhya.com>)

Awarded ZS Associates Scholarship for full waive of (Tuition+Hostel Fees) of College for all 4 years.

## EXTRA-CURRICULAR ACTIVITIES

100 mtr. Sprint District Champion and an active member of College Athletics Team.

Kho-Kho college team Captain and Sports-Event Secretary. Led College team in Districts-2018 and Pace-2019.