

# Amar Shishodia

amar.shishodia@gmail.com | +91 7838448152

## EDUCATION

### JAYPEE INSTITUTE OF INFORMATION TECHNOLOGY

BTECH IN COMPUTER SCIENCE  
Expected May 2019 | Noida, India  
CGPA: 6.3/10.0

### BHARATI VIDYAPEETH SCHOOL

Grad. May 2015 | Pune, India  
Marks 82%

### DAV SCHOOL, AUNDH

Grad. May 2013 | Pune, India  
Marks 9.2 cgpa

## LINKS

Github:// [gladipero](#)  
LinkedIn:// [Amar Shishodia](#)  
InterviewBit:// [amar-shishodia](#)  
Quora:// [Amar-Shishodia](#)

## COURSEWORK

### UNDERGRADUATE

Operating Systems  
Artificial Intelligence  
Algorithms and Data Structures  
Advanced Data Structures  
Machine Learning  
IoT Networks and systems  
Computer Networks  
Database systems and management

## SKILLS

### PROGRAMMING

Over 5000 lines:

Python • C++ • Matlab  
C • Android • R

Over 1000 lines:

JavaScript • MySQL • CSS • PHP

Familiar:

GO lang • Octave • SQLite3 • MySQL •  
Tex

## EXPERIENCE

### ROCKWELL COLLINS | SOFTWARE ENGINEERING INTERN

May 2018 – July 2018 | Bangalore, India

- Rockwell Collins (NYSE: COL) is a leader in aviation and high-integrity solutions for commercial and military customers around the world. It is headquartered in Iowa, USA with an India Design Center set up in Bangalore, India.
- Worked on Python to plan, design and develop the full module implementation of a new framework to automate testing of National Instrument hardware used by the company.
- All code was reviewed, perfected, and pushed for use by the testers.

### SHIVRAI TECHNOLOGIES | FUTURE SOFTWARE RESEARCH INTERN

Dec 2017 – Jan 2018 | Pune, India

- Shivrai Technologies Pvt. Ltd. is Pune, India based company specialized in rendering innovative Agriculture based IT solutions to clients across the globe.
- Worked directly under the Co-Founder and CEO of the company to help sketch a plan as how python and various new softwares can be used with their products.
- Developed and presented a prototype image processing module which could be implemented with their product.
- Also gave them a report on how a chatbot can be trained and used as their customer service representative.

### VIDYARTHI CLASSES | WEBSITE DEVELOPMENT INTERN

Nov 2017 – Feb 2018 | Work From Home

- Vidarthi Classes is a coaching institute based out of Greater Noida, India.
- Worked as a support on the development of their Website and management system on PHP under Mr Jeetendra.
- All code was reviewed and pushed on to become their current website.

### ROCKWELL COLLINS | SOFTWARE ENGINEERING INTERN

May 2017 – July 2017 | Bangalore, India

- Rockwell Collins (NYSE: COL) is a leader in aviation and high-integrity solutions for commercial and military customers around the world. It is headquartered in Iowa, USA with an India Design Center running in Bangalore, India.
- Worked under the guidance of Mr Sham Nagamangala Satyaprasad to create an early database testing script which can be used to check the capabilities of a database scheme in the early stages of its development by the company.
- All code was reviewed, perfected, and pushed for use by the company employees.

## LANGUAGES

**ENGLISH :: BILINGUAL PROFICIENCY**

**HINDI :: NATIVE PROFICIENCY**

**FRENCH :: ELEMENTARY PROFICIENCY**

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JavaScript • MySQL • CSS • PHP  
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GO lang • Octave • SQLite3 • MySQL •  
Tex

## MAIN PROJECTS

### DATA LOADER May 2017 - July 2017 | Bangalore, India

Worked under the guidance of Mr Sham Nagamangala Satyaprasad at Rockwell Collins to create PlanIt, a tool which on the input of credentials to a MySQL or sqlite3 Database learns its schmatic architecture and inserts N number of rows of random values of the data type which was useful in early stages of database development and testing. It was submitted to the company.

### AUTOMATED TESTING MODULE May 2018 – July 2018 | Bangalore, India

Worked under the guidance of Mr Avinash Hasirumane at Rockwell Collins to provide and automated testing module for the National Instruments and other hardware instrumentation they are using in their Interior Management Systems in Boeing, Bombardier and Airbus planes.

### TRAIN SEQUENCING USING SEMAPHORES AND THREADS

Mar 2017-Apr 2017

A train sequencing program created on C++ with the help of semaphores and threads written as part of a course project for Operating Systems Course.  
Github Link: <https://github.com/gladipero/Train-sequencing-using-semaphores>

### AUTO COMPLETE DICTIONARY

Aug 2016-Nov 2016

dictionary A program which gives word autocomplete word suggestions. Made using the Trie Data structure on c++ for the Data Structures course. b Link :  
<https://github.com/gladipero/Autocomplete-DS-project>  
<https://github.com/gladipero/Autocomplete-DS-project>

### NOISE REDUCTION IN APPLICATIONS Feb 2018- May 2018

A noise reduction cross-platform application made using Kivy framework and Python which applies basic filters on a sound recording in the Audible frequency range to amplify Speech in the audio. :  
<https://github.com/gladipero/Noise-reduction-in-sound-recordings>  
<https://github.com/gladipero/Noise-reduction-in-sound-recordings>

### SCRABBLE WORD GAME Feb 2017- Apr 2017

A scrabble word game created using Turbo C++, Graphics and previously made Auto Complete Dictionary used for verification of the words created. Github Link:  
<https://github.com/gladipero/Scrabble-Word-Game>

### CALCULATOR IMAGE READER Dec 2017- Apr 2018

A working prototype of how python and image processing created during my time at Shivrai Technologies as how they can be used to measure readings from digital displays and be used in their product.

### LATENCY OPTIMIZATION IN IOT NETWORKS Sept 2017 - Dec 2017

A research based semester project where we proposed a new hybrid latency optimization algorithm specifically optimal for grid based IoT networks.

### EXTRACT META DATA FROM IMAGES Feb 2018- Apr 2018

A python based Image Meta data Extractor made as an utility tool for another project. Github Link: <https://github.com/gladipero/metaDataExtractor>