

# Archit Mathur

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## EDUCATION

### SKIT, JAIPUR

B.TECH., COMPUTER SCIENCE  
Aug 2015 - May 2019

### MPS, AJMER

HIGH SCHOOL, SCIENCE  
Percentage - 93.6

## LINKS

LinkedIn:// [archit-mathur](#)  
Github:// [achie27](#)  
Codechef:// [achie27](#)

## SKILLS

### LANGUAGES

Python • C++ • C  
JavaScript • HTML/CSS

### FRAMEWORKS

Tensorflow • OpenCV  
scikit-learn • React.js  
Express.js • Socket.io

### DATABASES

MySQL • MongoDB

### TOOLS

Git • Heroku

## COURSEWORK

### CURRICULUM

Database Management Systems  
Operating Systems  
Software Engineering  
Data Structures and Algorithms  
Object Oriented Programming  
Computer Architecture

### MOOCS

Machine Learning

(by Andrew Ng)

Algorithms : Design and Analysis

(by Tim Roughgarden)

CS50x

(by David Malan)

## COMMUNITIES

Hackathon Hackers • Kaggle  
freeCodeCamp • Hacker News  
Stack Overflow • devRant  
TopCoder • CodeForces • CS50

## EXPERIENCE

### IIT BOMBAY | SOFTWARE DEVELOPMENT INTERN

May 2017 – July 2017

- Worked in a team of two to implement a platform for teachers to gamify school-level curriculum under the edTech organisation EkShiksha.
- Teachers could use various pre-built game scenarios and fit different questions/concepts to maximize students' learning in a fun way.
- Leveraged game statistics to find students' performance in different areas for teacher evaluation.
- Stood 3rd in the selection competition by making eight, high quality animations using Three.js for visualizing curricular experiments.

## PROJECTS

### WHATNEXT | MACHINE LEARNING

Dec 2017 | Motivation : Too many advices on what to learn next

- Recommends people what concept/language/framework to learn next based on what they already know and how their learning curve was
- Takes into account the user's naivety and how most developers in the community proceeded in similar situations
- Built with Python, Tensorflow, Flask, and JavaScript

### INDRASEYE | MACHINE LEARNING

Dec 2017 @ Rajasthan Hackathon 3.0 | Team Project

- Detects traffic accidents from a (CCTV) video feed
- Sends a notification to the nearest hospital and police station about the same
- Built with Python, Tensorflow, and OpenCV

### NOTESORT | MACHINE LEARNING

Oct 2017 | Motivation : Uncluttering and managing plethora of class notes

- Classifies handwritten notes based on their subjects
- Achieves accuracy in the high 70s with SVM and RNN
- Built with Python, Tensorflow, NLTK, and OpenCV

### BLOBCLOUD | WEB

Aug 2017 - Sep 2017 | Motivation : Saving new discoveries across all devices

- Saves web files directly to user's cloud storage bucket (Drive, Dropbox)
- Sends an email notification on transfer completion or error
- Built with React.js, Express.js, Node.js, and MongoDB

### COLLABWATCH | WEB

July 2017 - Aug 2017 | Motivation : Productive video-watching with friends

- Collaborative video-watching platform for videos on user's Drive
- Has real-time chat along with Wolfram|Alpha API for instant answers to queries
- Built with React.js, Express.js, Socket.io, Node.js, and MongoDB

## INTERESTS

- Learning different perspectives to things • Browsing Quora and Facebook
- Playing, and watching, Cricket and Volleyball • Computers
- Pokémon • Reading manga; watching anime • The Superhero genre